

**Alpine Satellite Development Plan  
Final Environmental Impact Statement**

**Bibliography**



- ABR, Inc. and Geophysical Institute of the University of Alaska. 1997. Geomorphology and Hydrology of the Colville River Delta, AK. Prepared for ARCO Alaska, Inc. Anchorage, AK.
- ABR, Inc. 2002. Biological Assessment for the Spectacled Eider at the CD North Satellite Development, Colville River Delta, 2002. Fairbanks AK: Phillips Alaska, Inc., 45 pp.
- ABR, Inc. 2003. Assessment of Impacts Associated with a Rolligon Trail in Northeastern National Petroleum Reserve-AK, 2002. Final Report Prepared for ConocoPhillips Alaska, Inc. April 2003.
- ACI (Alaska Consultant, Inc.), Courtnage, C.S., and Stephen R. Braund and Assocs. 1984. Barrow Arch Socioeconomic and Sociocultural Description. Technical Report 101. Anchorage, AK: USDOI, MMS, Alaska OCS Region, 641 pp.
- Acoustical Society of America. 1983. American National Standard Specification for Sound Level Meters. ANSI s1.4-1983. New York, NY. February
- Adams, A.B., and T.C. Cannon. 1987. Overwintering Study. Volume 7, Part V In: Endicott Environmental Monitoring Program, Final Reports, 1985. Report by Envirosphere Company. Prepared for U.S. Army Corps of Engineers, Alaska District, Anchorage, AK. 33 pp.
- Aguilar, A., A. Borrell, and P.J.H. Reijnders. 2002. Geographical and Temporal Variation in Levels of Organochlorine Contaminants in Marine Mammals. *Marine Environmental Research* 53:425-452.
- Alaska Administrative Code. 1997. Title 18 Environmental Conservation, Chapter 50 Air Quality Control. Baseline Dates, Maximum Allowable Increases, and Maximum Allowable Ambient Concentrations (18 AAC 50.020).
- Alaska Climate Research Center. 2003. Alaska Climatology. [Online] Available <http://climate.gi.alaska.edu/>
- ADCED 2001. (Alaska Department of Community and Economic Development). Division of Community and Business Development, Tourism. Alaska Visitor Statistics Program IV-October 2000 to September 2001. [Online] Available [http://www.dced.state.ak.us/cbd/toubus/pub/AVSPIV\\_factsheet.pdf](http://www.dced.state.ak.us/cbd/toubus/pub/AVSPIV_factsheet.pdf). Accessed June 18, 2003.
- ADCED. 2003. Alaska Taxable 2002, January.
- ADCED. 2003. Alaska Community Database – Detailed Community Information, [Online] Available <http://www.dced.state.ak.us/mra>. February.
- ADCED. 2003. National Petroleum Reserve – Alaska, Impact Mitigation Program, Report to the First Session of the Twenty Third Legislature, Fiscal Year 2003, issued January 30, 2003.
- ADEC (Alaska Department of Environmental Conservation). 1997. 18 AAC 70, Water Quality Standards, as amended through May 27, 1999.
- ADEC. 2002. 18 AAC 80, Drinking Water, as amended through September 21, 2002.
- ADEC. 2003a. 18 AAC 75, Oil and Other Hazardous Substances Pollution Control, as amended through January 30, 2003.
- ADEC. 2003b. Air Quality Permit No. 489CP07. March, 2003.
- ADEC. 2003c. 18 AAC 70, Water Quality Standards, as amended through June 23, 2003.
- ADEC. 2003d. Drinking Water: When You Are Unsure of the Safety of Your Drinking Water Source – Treat It! [Online] Available <http://www.state.ak.us/local/akpages/ENV.CONSERV/deh/water/pure.htm>. June 2003
- ADEC. 2003e. ADEC North Slope Spill Database for 01 January 1995 to 18 August 2003. Provided on CD by Camille Stephens, ADEC, through Ken Taylor, ADNRR, in September 2003.
- ADF&G (Alaska Department of Fish and Game). 1993. North Slope Gravel Pit Performance Guidelines. Technical Report No. 93-9.

- ADF&G. 1994. Wildlife Notebook Series. Internet. Juneau, AK: ADF&G, Division of Wildlife Conservation. [Online] Available [http://www.state.ak.us/local/akpages/FISH.GAME/wildlife/geninfo/game/es\\_ssc.htm](http://www.state.ak.us/local/akpages/FISH.GAME/wildlife/geninfo/game/es_ssc.htm).
- ADF&G. 1995. Community Profile Database. Update to Vol. 5, Arctic Region. Juneau, AK: State of Alaska, Dept. of Fish and Game, Div. of Subsistence.
- ADF&G. 1998. Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes, Arctic Region, Resource Management Region V. ADF&G Habitat Division.
- ADF&G. 1999. An Atlas to the Catalog of Waters Important for Spawning, Rearing, or Migration of Anadromous Fishes, Resource Management Region V. ADF&G Habitat and Restoration Division.
- ADF&G. 2001. 2001 Sport Fishing Regulations Arctic-Yukon-Kuskokwim. [Online] Available <http://www.sf.adfg.state.ak.us/statewide/regulations/2001/ayk/html/PDFs/01AYKnslope.pdf>. Accessed June 19, 2003.
- ADF&G. 2002. Western Arctic Caribou Herd Cooperative Management Plan, 2002-2012. Public review draft, June 2002. Fairbanks, AK: ADF&G.
- ADF&G. 2003. State of Alaska Species of Special Concern. [Online] Available [http://www.state.ak.us/local/akpages/FISH.GAME/wildlife/geninfo/game/es\\_ssc.htm](http://www.state.ak.us/local/akpages/FISH.GAME/wildlife/geninfo/game/es_ssc.htm).
- ADF&G, Division of Habitat. 1986. Alaska Habitat Management Guide, Arctic Region. Juneau, AK: ADF&G Habitat Division.
- ADF&G, Division of Subsistence. 2000. Subsistence in Alaska: A Year 2000 Update. Juneau, AK: ADF&G.
- ADF&G, Division of Subsistence. 2001. Community Profile Data Base. Version 3.11. Juneau, AK: ADF&G.
- ADF&G, Division of Subsistence. 2003. Unpublished Nuiqsut subsistence harvest data, 1993.
- ADOL (Alaska Department of Labor). 2000. Alaska Population Overview: 1999 Estimates, ISSN 1063-3790, May.
- ADOL. 2003a. Annual Components of Population Change for Alaska, 1945-2002. [Online] Available [www.labor.state.ak.us/research](http://www.labor.state.ak.us/research), January.
- ADOL. 2003b. Employment and Earnings. [www.labor.state.ak.us/research](http://www.labor.state.ak.us/research), March.
- ADOL. 2003c. Hours and Earnings. Alaska Economic Trends, February.
- ADOL. 2003d. Hours and Earnings for Selected Industries. Alaska Economic Trends, September.
- ADOL. 2003e. Unpublished oil-industry wage rate data. September 2003.
- ADOL. 2003f. Unpublished data from the 2000 census. September 2003.
- ADOL. 2003d. U.S. Bureau of Census data files SF-1 and SF-3. [Online] Available [www.labor.state.ak.us/research](http://www.labor.state.ak.us/research), February.
- ADNR (Alaska Department of Natural Resources). 2003. Tundra Travel Model – A Collaborative Research and Management Project for Arctic Oil and Gas Exploration and Development, Project Years 2003-2005 Statement of Work..
- ADNR. n.d. Division of Oil and Gas. leased tract information. {Online] Available [www.dog.dnr.state.ak.us/oil](http://www.dog.dnr.state.ak.us/oil).
- ADOT&PF (Alaska Department of Transportation and Public Facilities). 2003a. Industrial Roads Program – May 2003 Status Report.
- ADOT&PF. 2003b. Colville River Road Project Description. 12 December 2003.

- ADOT&PF. 2003c. Resource Transportation Analysis. Phase II – Dalton Highway to Nuiqsut and NPR-A Access. Prepared by CH2MHill in association with Northern Economics, Inc.
- ADOT&PF. 2003a: Personal communication between Beverly Fantazzi (ADOT&PF) and Maryellen Tuttell (Newfields, Inc.) via e-mail on May 12, 2003
- ADOT&PF. 2003b: Personal communication between Mike McKinnon (ADOT&PF) and Leslie Boughton (Newfields, Inc.) at meeting in May 2003.
- ADR (Alaska Department of Revenue), Tax Division. 2003a. Revenue Sources Book – Forecast and Historical Data, Spring 2003.
- ADR, Tax Division (2003b). Personal communication, Dudley Platt, August 2003.
- ADR, Tax Division (2003c). [Online] Available <http://www.tax.state.ak.us>.
- Ahmaogak, George. 2003. Lease Sales Threaten Eskimo Culture. “Compass” article in the Anchorage Daily News, August 30.
- Ahtuanguaruak, Rosemary. 1997. Public Hearing on the Beaufort Sea Sale 170 Draft EIS, Nuiqsut, Jun. 24, 1997. U.S. Department of the Interior, Minerals Management Service, Alaska OCS Region. Anchorage, Alaska.
- Ahtuanguaruak, Rosemary . 2001. Transcript of Public Testimony, Draft Environmental Impact Statement for Liberty Development and Production Plan, Nuiqsut, AK, March 19, 2001. U.S. Department of the Interior, Minerals Management Service, Alaska OCS Region. Anchorage, Alaska.
- Ahvakana, Nelson. 1990. Public Hearing, Official Transcript of Proceedings, Beaufort Sea Sale 124 Draft EIS, Nuiqsut, Apr. 19, 1990. U.S. Department of the Interior, Minerals Management Service, Alaska OCS Region. Anchorage, Alaska.
- Alaska Administrative Code (AAC). 1997. Title 18 Environmental Conservation, Chapter 50 Air Quality Control. Baseline dates, maximum allowable increases, and maximum allowable ambient concentrations (18 AAC 50.020).
- Alaska Climate Research Center. 2003. Alaska Climatology. [Online] Available <http://climate.gi.alaska.edu/>
- Alaska Department of Revenue. 2002. Fall 2002 Revenue Sources Book. Alaska Department of Revenue, Tax Division, November.
- Alaska Earthquake Information Center at the University of Alaska, Fairbanks Geophysical Institute. [http://www.giseis.alaska.edu/Seis/html\\_docs/db2catalog.html](http://www.giseis.alaska.edu/Seis/html_docs/db2catalog.html)
- Alaska Federation of Natives. 2003. Subsistence. [Online] Available <http://www.nativefederation.org/frames/subsistence.html>.
- Alaska Airlines. 2003. Alaskair.com System Timetable for August 30 – October 17, 2003. [Online] Available [www.222.alaskatimetable.com/AS.pdf](http://www.222.alaskatimetable.com/AS.pdf).
- Alaska Native Health Board, Inc. 1985. Rural Health Issues Study and Statewide Suicide Evaluation – A Resource Document. Anchorage, AK: Alaska Native Health Board, Inc., 147 pp.
- Alaska Report. 1996. New North Slope Field (Alpine) Boasts 250-300 Million Barrels in Oil Reserves. Alaska Report 42(41):1-3.
- Alaska Report. 1997. Arco, Syntroleum Begin Joint Development of Synfuels Reactor Technology. Alaska Report 43:1.
- Alaska State Climate Center. 2003. Climate Information. University of Alaska Anchorage. [Online] Available [http://www.uaa.alaska.edu/enri/ascc\\_web/ascc\\_home.html](http://www.uaa.alaska.edu/enri/ascc_web/ascc_home.html).

- Alexander, V., C. Coulon, and J. Chang. 1975. Studies of Primary Productivity and Phytoplankton Organisms in the Colville River System. Environmental Studies of an Arctic Estuarine System. Final Report. June 1975. pp. 299-424.
- Alt, K.T. 1973. Contributions to the Biology of the Bering Cisco (*Coregonus laurettae*) in Alaska. Journal of the Fisheries Research Board of Canada 30:1885-1888.
- Alt, K.T. 1979. Contributions to the Life History of the Humpback Whitefish in Alaska. Transactions of the American Fisheries Society 108:156-160.
- Alt, K.T., and R. Furniss. 1976. Inventory and Cataloging of North Slope Waters. Alaska Department of Fish and Game. Federal Aid in Fish Restoration, Annual Report of Progress 17:129-150.
- Alt, K.T., and D.R. Kogl. 1973. Notes on the Whitefish of the Colville River, Alaska. Journal of the Fisheries Research Board of Canada 30:554-556.
- Alyeska Pipeline Service Company. 2002. Pipeline Facts: Throughput. [Online] Available <http://www.alyeska-pipe.com/Pipelinefacts/Throughput.html>
- American Society of Mechanical Engineers (ASME). 2002. B31.4 2002 Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids. 124 pp. [Online] Available <http://members.asme.org/catalog/CategoryView.cfm?Category=CS&SubCategory=PIP>.
- Amstrup, S.C. 1993. Human Disturbance of Denning Polar Bears in Alaska. Arctic 46:246-250.
- Amstrup, S.C. 1995. Movements, Distribution, and Population Dynamics of Polar Bears in the Beaufort Sea. Ph.D. thesis. Fairbanks, AK: University of Alaska.
- Amstrup, S.C. 2000. Polar Bear. In: The Natural History of an Arctic Oil Field, Development and the Biota. J.C. Truett and S.R. Johnson, eds. San Diego, CA: Academic Press, pp. 133-157.
- Amstrup S.C., and C. Gardner. 1994. Polar Bear Maternity Denning in the Beaufort Sea. Journal of Wildlife Management 58:1-10.
- Amstrup, S.C., I. Stirling, and J.W. Lentfer. 1986. Past and Present Status of Polar Bears in Alaska. Wildlife Society Bulletin 14:241-254.
- Amstrup, S.C., T.L. McDonald, and I. Stirling. 2001. Polar bears in the Beaufort Sea: A 30-year Mark-Recapture Case History. Journal of Agricultural, Biological, and Environmental Statistics 6(2):221-234.
- Anderson, B.A., A.A. Stickney, R.J. Ritchie, and B.A. Cooper. 1995. Avian Studies in the Kuparuk Oilfield, Alaska, 1994. Final report. Anchorage, AK: ARCO, Alaska, Inc. and the Kuparuk River Unit, 29 pp.
- Anderson, B.A. and A.A. Stickney. 2004. Effects of Oilfield Developments on the Distribution of Tundra Swans. Final Report prepared for Bureau of Land Management, Fairbanks, Alaska. 36 pp.
- Anderson, B.A., A.S. Stickney, and R.J. Ritchie. 1996. Avian studies in the Kuparuk Oilfield, Alaska, 1995. Unpublished report prepared for ARCO Alaska, Inc and The Kuparuk River Unit by ABR, Inc. Fairbanks, Alaska.
- Anderson, B.A. and B.A. Cooper. 1994. Distribution and Abundance of Spectacled Eiders in the Kuparuk and Milne Point Oilfields, Alaska, 1993. Final report. Anchorage, AK: ARCO. Alaska, Inc. and the Kuparuk River Unit, 71 pp.
- Anderson, B.A., and C.B. Johnson. 1999. Baseline avian surveys in four lease blocks within the National Petroleum Reserve-Alaska, 1999. Report for ARCO Alaska, Inc., Anchorage, by ABR, Inc., Fairbanks, AD. 18 pp.
- Anderson, B.A., S.M. Murphy, and M.T. Jorgenson. 1992. GHX-1 Waterbird and Noise Monitoring Program. Final report by ABR, Inc., and BNN Systems and Technologies Corp. Prepared for ARCO Alaska, Inc, Anchorage, Alaska.

- Anderson, D.D. 1984. Prehistory of North Alaska. In: Arctic (D. Damas, ed.), pp. 80-93 in Handbook of North American Indians, Volume 5 (W. Sturtevant, gen. ed.). Washington, D.C.: Smithsonian Institution.
- Anderson, P., and G. Weller, eds. 1996. Preparing for an Uncertain Future: Impacts of Short- and Long-Term Climate Change on Alaska. In: Proceedings of a Workshop held during the Arctic Science Conference, Fairbanks, AK, Sept. 1995. Fairbanks, AK: University of Alaska, Fairbanks, Center for Global Change and Arctic System Research.
- Andreis, A. 2003. Personal communication with Dennis Kearney, ENTRIX, Inc., on wildlife and fishing guide activities in and near the ASDP Area, May 8.
- Andreis, A. June 18, 2003. Personal communication with Dennis Kearney, ENTRIX, Inc., on wildlife and fishing guide activities in and near the ASDP Area. Telephone conversation.
- Andres, B.A. 1993. Foraging Flights of Pacific, *Gavia pacifica*, and Red-throated, *G. stellata*, Loons on Alaska's Coastal Plain. Canadian Field-Naturalist 107(2):238-140.
- Andres, B.A. 1994. Coastal Zone Use by Post-breeding Shorebirds in Northern Alaska. Journal of Wildlife Management 58: 206-213.
- Angliss, R.P., and K.L. Lodge. 2002. Alaska marine mammal stock assessments, 2002. U.S. Department of Commerce, NOAA Tech Memo. NMFS-AFSC-133. 224 p.
- Angliss, R.D., D.P. DeMaster, and A.L. Lopez. 2001. Alaska marine mammal stock assessments, 2001. U.S. Department of Commerce, NOAA Tech Memo. NMFS-AFSC-124. 203 p.
- ARCO Alaska, Inc., Anadarko Petroleum Corporation, and Union Texas Petroleum Alaska Corporation. 1997. Alpine Development Project Environmental Evaluation Document. September 1997.
- ARCO Alaska, Inc. 1986. Prepared by Environmental Science and Engineering, Inc., Anchorage, Alaska. An Evaluation of the Effects of Noise on Waterfowl in the Vicinity of CPF-3, Kuparuk Field, Alaska. Vol. I, 1985-1986.
- Armstrong, R.H. 1995. Guide to the Birds of Alaska. Anchorage, AK: Alaska Northwest Books.
- Arnborg, L., H.J. Walker, and J. Peippo. 1967. Suspended Load in the Colville River, Alaska, 1962. *Geografiska Annalar* 49A:131-144.
- Arnborg, L., H.J. Walker, and J. Peippo. 1966. Water Discharge in the Colville River, 1962; *Geografiska Annaler*, 48A, 195-210.
- Arthur, S. M., and P. A. Del Vecchio 2003. Effects of Oilfield Development on Calf Production and Survival in the Central Arctic Caribou Herd. Research Progress Report, June 2001-September 2003. Alaska Department of Fish and Game, Division of Wildlife Conservation, Fairbanks, AK. 20 p.
- Auerbach, N.A., M.D. Walker, and D.A. Walker. 1997. Effects of Roadside Disturbance on Substrate and Vegetation Properties in Arctic Tundra. *Ecological Applications* 7(1):218-235.
- Bailey, A.M., C.D. Brower, and L.B. Bishop. 1933. Birds of the Region of Point Barrow, Alaska. (Program of Activities). Chicago Academy of Science 4:15-40.
- Bain, L.H. 1974. Life Histories and Systematics of Arctic Char (*Salvelinus alpinus*) in the Babbage River System, Yukon Territory. Chapter 1 in P.J. McCart, ed., Life Histories of Three Species of Freshwater Fishes in Beaufort Sea Drainages, Yukon Territory. Arctic Gas Biological Report Series, Volume 18. Report by Aquatic Environments Limited for Canadian Arctic Gas Study Limited and Alaskan Arctic Gas Study Company. 156 pp.
- Balogh, G.R., and W.W. Larned. 1994. Preliminary Progress Report: Eider Breeding Populations Survey, Alaska Arctic Coastal Plain, 1994. Unpublished report by USFWS, Anchorage, AK.

- Ballard, W.B., L.A. Ayres, P.R. Krausman, D.J. Reed, and S.G. Fancy. 1997. Ecology of Wolves in Relation to a Migratory Caribou Herd in Northwest Alaska. Wildlife Monographs No. 135.
- Ballard, W.B., M.A. Cronin, R. Rodrigues, R.O. Skoog, and R.H. Pollard. 2000a. Arctic Fox, *Alopex lagopus*, Den Densities in the Prudhoe Bay Region, Alaska. Canadian Field-Naturalist 114:453-456.
- Ballard, W.B., M.A. Cronin, and H.A. Whitlaw. 2000b. Caribou and Oil Fields. In: The Natural History of an Arctic Oil Field: Development and the Biota. J.C. Truett and S.R. Johnson, eds. San Diego, California: Academic Press, Inc., pp. 85-104.
- Ballard W.B., E.H. Follmann, D.G. Ritter, M.D. Robards, and M.A. Cronin. 2001. Rabies and Canine Distemper in an Arctic Fox Population in Alaska. Journal of Wildlife Diseases 37:133-137.
- Barnes, P.W., D.M. Schell, and E. Reimnitz, eds. 1984. The Alaskan Beaufort Sea, Ecosystems and Environments. New York: Academic Press, Inc.
- Barr, J.F., C. Eberl, and J.W. McIntyre. 2000. Red-throated Loon (*Gavia stellata*). In: The Birds of North America, No. 513, A. Poole and F. Gill, eds. Philadelphia, PA: The Birds of North America Inc.
- Barsdate, R.J., M.C. Miller, V. Alexander, J.R. Vestal, and J.E. Hobbie. 1980. Oil Spill Effects. Limnology of Tundra Ponds. Stroudberg, PA: Dowden, Hutchinson and Ross, Inc. 399-406.
- Bart, J. 1977. The Impact of Human Visitation on Avian Nesting Success. Living Bird 16:187-192.
- Bee, J.W., and E.R. Hall. 1956. Mammals of Northern Alaska on the Arctic Slope. Museum of Natural History miscellaneous publication 8. Lawrence, KS: University of Kansas.
- Behnke, R.J. 1980. A Systematic Review of the Genus *Salvelinus*. In: Charrs: Salmonid Fishes of the Genus *Salvelinus*, E.K. Balon, ed. The Hague, Netherlands: D.W. Junk Publications, pp. 441-480.
- Behnke, R.J. 1984. Organizing the Diversity of the Arctic Charr Complex. In: L. Johnson and B.L. Burns, eds. Biology of the Arctic Charr. Proceedings of the International Symposium on Arctic Charr, Winnipeg, Manitoba, May 1981. Winnipeg: University of Manitoba Press, pp. 3-21.
- Bel'kovich, V.M. 1960. Some biological observations on the white whale from the aircraft. Zool. Zur. 30:1414-1422.
- Bendock, T.N. 1979a. Beaufort Sea Estuarine Fishery Study. In: Environmental Assessment, Alaskan Continental Shelf. Bureau of Land Management and National Oceanic and Atmospheric Administration, Outer Continental Shelf Environmental Assessment Program, Final Report, Volume 4, pp. 670-729
- Bendock, T.N. 1979b. Inventory and Cataloging of Arctic Area Waters. Alaska Department of Fish and Game, Federal Aid in Fish Restoration and Anadromous Fish Studies, Annual Performance Report 20: 1-28.
- Bendock, T.N. 1980. Inventory and cataloging of arctic area waters. Alaska Department of Fish and Game, Federal Aid in Fish Restoration and Anadromous Fish Studies, Annual Performance Report 21: 1-31.
- Bendock, T.N. 1981. Inventory and Cataloging of Arctic Area Waters. Alaska Department of Fish and Game, Federal Aid in Fish Restoration and Anadromous Fish Studies, Annual Performance Report 22: 1-28.
- Bendock, T.N. 1982. Inventory and Cataloging of Arctic Area Waters. Alaska Department of Fish and Game, Federal Aid in Fish Restoration and Anadromous Fish Studies, Annual Performance Report 23: 1-33.
- Bendock, T.N., and J.M. Burr. 1980. Index to North Slope Stream and Lake Surveys. Report by Alaska Department of Fish and Game, Sport Fish Division, Fairbanks, Alaska. 45 p.
- Bendock, T.N., and J.M. Burr. 1984a. Inventory and Cataloging of Arctic Area Waters. Alaska Department of Fish and Game, Federal Aid in Fish Restoration and Anadromous Fish Studies, Annual Performance Report 25: 1-46.

- Bendock, T.N., and J.M. Burr. 1984b. Freshwater Fish Distributions in the Central Arctic Coastal Plain (Ikpikpuk River to Colville River). Fairbanks, AK: Alaska Department of Fish and Game, Sport Fish Division, Fairbanks, Alaska. 54 pp.
- Bendock, T.N., and J.M. Burr. 1985. Inventory and Cataloging of Arctic Area Waters. Alaska Department of Fish and Game, Federal Aid in Fish Restoration and Anadromous Fish Studies 26: 1-40.
- Bengtson, J.L., P.L. Boveng, L.M. Hiruki-Raring, K.L. Laidre, C. Pungowiyi, and M.A. Simpkins. 2000. Abundance and Distribution of Ringed Seals (*Phoca hispida*) in the Coastal Chukchi Sea. In: A.L. Lopez and D.P. DeMaster. Marine Mammal Protection Act and Endangered Species Act Implementation Program 1999. AFSC Processed Report 2000-11, Alaska Fisheries Science Center, 7600 Sand Point Way NE, Seattle, WA 98115, pp. 149-160.
- Bente, P. 1998. GMU 26A; Western North Slope. In: Wolf. M.V. Hicks, ed. Federal Aid in Wildlife Restoration Grant W-27-1. Juneau, AK: ADF&G, pp. 23-25.
- Bergerud, A.T. 1974. The Role of the Environment in the Aggregation, Movement, and Disturbance Behaviour of Caribou. In: The Behaviour of Ungulates and its Relation to Management, V. Geist and F. Walther, eds. IUCN Publications New Series 24, Volume 2, pp. 552-594.
- Bergerud, A.T. 2000. Caribou. In: Ecology and Management of Large Mammals in North America, S. Demarais and P.R. Krausman, eds. Upper Saddle River, NJ: Prentice-Hall, Inc., pp. 658-693.
- Bergerud, A.T., R.D. Jakimchuk, and D.R. Carruthers. 1984. The Buffalo of the North: Caribou (*Rangifer tarandus*) and Human Developments. Arctic 37:7-22.
- Bergman, R.D., R.L. Howard, K.F. Abraham, and M.W. Weller. 1977. Water Birds and Their Wetland Resources in Relation to Oil Development at Storkerson Point, Alaska. Resource Publication 129. Washington, DC: U.S. Fish and Wildlife Service, 38 pp.
- Bickham, J.W., S.M. Carr, B.G. Hanks, D.W. Burton, and B.J. Gallaway. 1989. Genetic Analysis of Population Variation in the Arctic cisco (*Coregonus autumnalis*) using Electrophoretic, Flow Cytometric, and Mitochondrial DNA Restriction Analyses. Biological Papers of the University of Alaska 24: 112-122.
- Billings, W.D., and K.M. Peterson. 1980. Vegetational Change and Ice-Wedge Polygons Through the Thaw-Lake Cycle in Arctic Alaska. Arctic and Alpine Research 12:413-432.
- Bird, K.J. 1983. The Geologic Basis for Appraising Undiscovered Hydrocarbon Resources in the National Petroleum Reserve of Alaska by the Play-Appraisal Method. In: Geology and Exploration of the National Petroleum Reserve in Alaska, 1947 to 1982, G. Gyrc ed., U.S. Geological Survey Professional Paper 1399. pp. 77-116.
- Bird, K.J., and C.M. Molenaar. 1992. North Slope Foreland Basin, Alaska. In: Foreland Basins and Fold Belts, AAPG Memoir 55, R.W. Macqueen and D.A. Leckie eds. Tulsa, OK: American Association of Petroleum Geologists, 460 pp.
- BLM. (US Department of Interior, Bureau of Land Management). 1979a. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for the Proposed Oil and Gas Lease Sale BF in the Beaufort Sea, Nuiqsut, Alaska, June 4, 1979: NP, NP.
- BLM. 1979b. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for the Proposed Oil and Gas Lease Sale BF in the Beaufort Sea, Barrow, Alaska, June 4, 1979: N.P., NP.
- BLM. 1981. Engineering Considerations for Gravel Alternatives in NPR-A, Appendix 8 to the Draft Environmental Assessment, June 1.
- BLM. 1982a. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for the Proposed Oil and Gas Lease Sale in the Diapir Field (Proposed Sale 71), Presbyterian Church, Barrow, Alaska, February 2, 1982: N.P., R&R Court Reporters.

- BLM. 1982b. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for the Proposed Oil and Gas Lease Sale in the Diapir Field (Proposed Sale 71), Nuiqsut, Alaska, February 3, 1982: N.P., Akulaw Court Reporting.
- BLM. 1982c. Official Transcript, Record of Testimony, National Petroleum Reserve-Alaska: Subsistence Hearing, Barrow, Alaska, November 22, 1982: Anchorage, AK, Fairbanks Court Reporting.
- BLM. 1983a. Oil and Gas Leasing in the National Petroleum Reserve in Alaska, Final Environmental Impact Statement. Anchorage, AK: BLM.
- BLM. 1983b. Oil and Gas Leasing and Development in the National Petroleum Reserve in Alaska, Record of Decision. Anchorage, AK: BLM.
- BLM. 1986a. Official Transcript, Proceedings of Public Hearing, Testimony on the Section 810 of ANILCA Public Hearings Application for Exception by Unocal of Seasonal Drilling, Nuiqsut, Alaska, September 12, 1986. Aurora Court Reporting. Anchorage, Alaska.
- BLM. 1986b. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for the Proposed Oil and Gas Lease Sale 97 in the Beaufort Sea, Nuiqsut, Alaska, December 12, 1986: N.P., Accu-Type Depositions, Inc.
- BLM. 1989. Utility Corridor Proposed Resource Management Plan and Final Environmental Impact Statement. Fairbanks, AK: BLM Arctic District Office.
- BLM. 1990. Western Arctic Resource Management Plan, Subsistence Management Analysis. Anchorage, AK: BLM.
- BLM. 1990. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for the Proposed Oil and Gas Lease Sale 124 in the Beaufort Sea, Nuiqsut, Alaska, April 19, 1990. Executory Court Reporting. Anchorage, Alaska.
- BLM 1995a. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for the Proposed Oil and Gas Lease Sale 144 in the Beaufort Sea, Nuiqsut, Alaska, November 6, 1995. Executory. Anchorage, Alaska.
- BLM. 1995b. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for the Proposed Oil and Gas Lease Sale 144 in the Beaufort Sea, Kaktovik City Hall, Alaska, November 7, 1995: N.P., Executory Court Reporting.
- BLM. 1995c. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for the Proposed Oil and Gas Lease Sale 144 in the Beaufort Sea, Nuiqsut, Alaska, November 1995. Executory. Barrow, Alaska..
- BLM. 1997a. Official Transcript, Proceedings of Public Hearing, NPR-A Integrated Activity Plan/Environmental Impact Statement Scoping Meeting, Barrow, Alaska, March 17, 1997. United States Department of the Interior Bureau of Land Management. Fairbanks, Alaska.
- BLM. 1997b. Official Transcript, Proceedings of Public Hearing, NPR-A Integrated Activity Plan/Environmental Impact Statement Scoping Meeting, Nuiqsut, Alaska, April 10, 1997. United States Department of the Interior Bureau of Land Management. Fairbanks, Alaska.
- BLM. 1997. NPR-A Subsistence Impact Analysis Workshop. Proceedings held August 19-21, 1997, in Nuiqsut, Alaska. Compiled by Ann E. Morkill. September 1997. [Online] Available <http://www.ndo.ak.blm.gov/npra/subwkshp.html>
- BLM. 1998. Northeast National Petroleum Reserve - Alaska. Final Integrated Activity Plan/Environmental Impact Statement Volume 1, Table III.A.3.a-1, page III-A-53.
- BLM. 1998a. Official Transcript, Proceedings of Public Hearing, National Petroleum Reserve-Alaska NE NPR-A PDEIS Scoping, Barrow, January 13, 1998. Computer Matrix. Anchorage, Alaska.

- BLM. 1998b. Official Transcript, Proceedings of Public Hearing, National Petroleum Reserve-Alaska, NE NPR-A PDEIS, Atkasuk, Alaska, January 12, 1998. Computer Matrix. Anchorage, Alaska.
- BLM. 1998c. Official Transcript, Proceedings of Public Hearing, National Petroleum Reserve-Alaska, NE NPR-A PDEIS, Nuiqsut, Alaska, January 14, 1998. Computer Matrix. Anchorage, Alaska.
- BLM. 1998d. Official Transcript, Proceedings of Public Hearing, National Petroleum Reserve-Alaska, NE NPR-A PDEIS, Anaktuvuk Pass, Alaska, January 15, 1998. Computer Matrix. Anchorage, Alaska.
- BLM. 2000a. Environmental Assessment EA: AK-020-00-011 for the 1999-2000 Winter Exploration Drilling Program National Petroleum Reserve-Alaska (NPR-A). January.
- BLM. 2000b. Environmental Assessment EA: AK-023-01-003 for the 1999-2000 National Petroleum Reserve-Alaska (NPR-A) Exploration Program, Winter Drilling 2001-2006. December. (Minor revision March 2001).
- BLM. 2001. Environmental Assessment EA: AK-023-02-005 for the National Petroleum Reserve-Alaska (NPR-A) 2001-2006 Exploration Drilling. December 2001.
- BLM. 2002. Final Environmental Impact Statement: Renewal of the Federal Grant for the Trans-Alaska Pipeline Right-of-way. Anchorage, Alaska: U.S. Department of the Interior, Bureau of Land Management.
- BLM. 2003a. Alaska Press Release – BLM Plans to Revise Plan for Northeast National Petroleum Reserve-Alaska. [Online] Available <http://denali.ak.blm.gov/affairs/press/pr041503.html>. April 15.
- BLM. 2003b. Alpine Satellite Development Plan EIS, Transcripts of Scoping Meeting Proceedings. [Online] Available <http://www.alpine-satellites-eis.com/alpeis.nsf/?Open>, March.
- BLM. 2003c. ROS Overview. [Online] Available [http://www.nm.blm.gov/aufo/el\\_malpais\\_stand\\_alone/ApdxCfinal.mso11-12-01.pdf](http://www.nm.blm.gov/aufo/el_malpais_stand_alone/ApdxCfinal.mso11-12-01.pdf).
- BLM. 2003d. Personal communication from BLM to LGL Alaska Research Associates, Inc., July 15 and September 5 2003 on mammal population sizes on the North Slope.
- BLM. 2003e. Public Scoping, Proposed Alpine Satellite Development Plan, Village Council Hall Nuiqsut, Alaska. March 18, 2003. Liz D'Amour & Associates, Anchorage, AK
- BLM. 2003f. Public Scoping, Proposed Alpine Satellite Development Plan, North Slope Borough Assembly Chambers, Barrow, Alaska March 17, 2003. Liz D'Amour & Associates, Anchorage, AK.
- BLM. 2004. Alpine Satellite Development Plan EIS, Transcripts of Public Meeting Proceedings, Atkasuk, Alaska (DEIS0202: AR 906). February 2004.
- BLM. n.d. NPR-A Ice Roads Study. Undated report.
- BLM. n.d.. Alaska Botanical T&E Sensitive Species List.
- BLM. n.d.. Visual Resource Management. [Online] Available <http://www.blm.gov/nstc/VRM/index.html>.
- BLM and DU (Ducks Unlimited, Inc.). 2002. National Petroleum Reserve-Alaska Earth Cover Classification. BLM-Alaska Technical Report 40. 81 pp.
- BLM and MMS (Minerals Management Service). 1998a. Northeast National Petroleum Reserve-Alaska Final Integrated Activity Plan/Environmental Impact Statement. Prepared by the BLM in cooperation with the MMS, Anchorage, Alaska. Two volumes. August.
- BLM and MMS. 1998b. Northeast National Petroleum Reserve-Alaska Final Integrated Activity Plan/Environmental Impact Statement, Record Of Decision. [Online] Available <http://www.ndo.ak.blm.gov/npra/final/html/roddecision.html>.

- BLM and MMS. 2002a. Alaska Outer Continental Shelf, Liberty Development and Production Plan, FEIS. OCS EIS/EA, MMS 2002-019.
- BLM and MMS. 2002b. Alaska Outer Continental Shelf (OCS) Region. 2002 Beaufort Sea Planning Area Sales 186, 195, and 202 Oil and Gas Lease Sale Draft EIS. OCS/EIS EA MMS 2002-029.
- BLM and MMS. 2003a. Northwest National Petroleum Reserve-Alaska, Draft Integrated Activity Plan/Environmental Impact Statement. January 17, 2003.
- BLM and MMS. 2003b. Northwest National Petroleum Reserve-Alaska, Final Integrated Activity Plan/Environmental Impact Statement. November, 2003.
- BLM and MMS. 2004. Northeast National Petroleum Reserve-Alaska Amended Final Integrated Activity Plan/Environmental Impact Statement. Prepared by the BLM in cooperation with the MMS, Anchorage, Alaska. Two volumes.
- BLM and USACE. 1988. Trans-Alaska Gas System, Final Environmental Impact Statement. BLM-Alaska-PT-88-003-1792-910. Prepared by Bureau of Land Management and U.S. Army Corps of Engineers, Alaska District, Anchorage, Alaska.
- BLM and U.S. Geological Survey. 1992. Environmental Status of 28 Oil and Gas Exploration Areas of Operation in the National Petroleum Reserve-Alaska. Anchorage, Alaska.
- Boehm, P.D. 1987. Transport and Transformation Processes Regarding Hydrocarbon and Metal Pollutants in Offshore Sedimentary Environments. In: Long-Term Environmental Effects of Offshore Oil and Gas Development, D.F. Boesch and N.N. Rabalais, eds. London, England: Elsevier Applied Science, pp. 233-286.
- Boehm, P.D., M.S. Steinhauer, D.R. Green, B. Fowler, B. Humphrey, D.L. Fiest, and W.J. Cretney. 1987. Comparative Fate of Chemically Dispersed and Beach Crude Oil in Subtidal Sediments of the Arctic Nearshore. *Arctic* 40(Suppl. 1):133-148.
- Bogoslovskaya, L.S., L.M. Votrogov, and I.I. Krupnik. 1982. The Bowhead Whale off Chukotka: Migrations and Aboriginal Whaling. *Report of the International Whaling Commission* 32:391-399.
- Bond, W.A. 1982. A Study of the Fishery Resources of Tuktoyaktuk Harbour, Southern Beaufort Sea Coast, with Special References to Life Histories of Anadromous Coregonids. *Canadian Technical Report of Fisheries and Aquatic Sciences* 1119, 90 pp.
- Bond, W.A., and R.N. Erickson. 1987. Fishery Data from Phillips Bay, Yukon, 1985. *Canadian Data Report of Fisheries and Aquatic Sciences* 635, 39 pp.
- Bond, W.A., and R.N. Erickson. 1989. Summer Studies of the Nearshore Fish Community at Phillips Bay, Beaufort Sea Coast, Yukon. *Canadian Technical Report of Fisheries and Aquatic Sciences* 1676, 102 pp.
- Borden, Clay (CPAI). 2003. Personal communication with Dave Norton, (ENTRIX, Inc.), July 16.
- BP Exploration (Alaska), Inc. 1998. Letter dated July 17, 1988, from P. Hanley, Supervisor, HSE-Alaska, BPXA, to J. Walker, Regional Supervisor, Field Operations, MMS, Alaska OCS Region; subject: Liberty Development (OCS-Y-1650) comments on the preliminary draft EIS.
- Braham, H.W., M.A. Fraker, and B.D. Krogman. 1980. Spring Migration of the Western Arctic Population of Bowhead Whales. *Marine Fisheries Review* 42(9-10):36-46.
- Braham, H.W., B.D. Krogman, and G.M. Carroll. 1984. Bowhead and White Whale Migration, Distribution and Abundance in the Bering, Chukchi, and Beaufort seas, 1975-78. *NOAA Tech. Rep. NMFS SSRF-778*, 39 pp.

- Braund, S.R., and E.L. Moorehead. 1995. Contemporary Alaska Eskimo Bowhead Whaling Villages. In: Hunting the Largest Animals – Native Whaling in the Western Arctic and Subarctic. A.P. McCartney, ed. Occasional Publication No. 36, The Canadian Circumpolar Institute, University of Alberta.
- Braund, S.R. and Associates and Institute of Social and Economic Research. 1993. North Slope Subsistence Study – Barrow, 1987, 1988 and 1989. Prepared for U.S. Department of Interior, Minerals Management Service and the North Slope Borough. (Also published as U.S. Department of Interior, Minerals Management Service Technical Report No. 149.)
- Braund, S. R. and Associates. 2003a. Field Interviews: Nuiqsut, Barrow, Atqasuk, Anaktuvuk Pass. June through August 2003.
- Brigham Young University. 1994. Surface Water Modeling System for the PC, Version 7.0.04. Compiled January 2001. Distributed by Environmental Modeling Systems, Inc. South Jordan, Utah.
- Breiwick, J.M., L.L. Eberhardt, and H.W. Braham. 1984. Population Dynamics of Western Arctic Bowhead Whales (*Balaena mysticetus*). Canadian Journal of Fisheries and Aquatic Science 41:484-496.
- Brooks, W.S. 1915. Notes on Birds from East Siberia and Arctic Alaska. Bull. Mus. Comp. Zool. 59:359-413.
- Brower, H.K., Jr., and R. Opie. 1996. North Slope Borough Subsistence Harvest Documentation Project: Data for Anaktuvuk Pass, Alaska for the Period July 1, 1994, to June 30, 1995. Barrow, AK: North Slope Borough, Department of Wildlife Management.
- Brower, H.K., Jr., and R. Opie. 1997. North Slope Borough Subsistence Harvest Documentation Project: Data for Nuiqsut, Alaska for the Period July 1, 1994 to June 30, 1995. Technical report. Barrow, AK: North Slope Borough, Department of Wildlife Management. 44 pp.
- Brower, H.K., Jr., and R. Hepa. 1998. North Slope Borough Subsistence Documentation Project: Data for Nuiqsut, Alaska for the Period July 1, 1994 to June 30, 1995. Technical report. Barrow, AK: North Slope Borough, Department of Wildlife Management
- Brown, J., B.E. Brockett, and K.E. Howe. 1984. Interaction of Gravel Fills, Surface Drainage, and Culverts with Permafrost Terrain. Report No. AD-RD-84-11. Alaska Department of Transportation and Public Facilities, Fairbanks, AK.
- Brown, W. 1979. Nuiqsut Paisanjich – Nuiqsut Heritage: A Cultural Plan. Prepared for the Village of Nuiqsut and the North Slope Borough Planning Commission and Commission on History and Culture.
- Buist, I.A., and D.F. Dickens and Dickens. 1983. Fate and Behavior of Water-in-Oil Emulsions in Ice. Canadian Offshore Oilspill Research Association. Report CS 11. Calgary, Alberta, Canada: Dome Petroleum Ltd.
- Bureau of Economic Analysis (BEA). 2003. Regional Accounts Data, Annual State Personal Income. [Online] Available <http://www.bea.gov/bea/regional/spi/drill.cfm>, January.
- Burch, E.S., Jr. 1970. The Eskimo Trading Partnership in North Alaska: A Study in Balanced Reciprocity. Anthropological Papers of the University of Alaska 15(1):49-80.
- Burch, E.S. Jr. 1975a. Eskimo Kinsmen: Changing Family Relationships in Northwest Alaska. St. Paul, New York, Boston, Los Angeles, San Francisco: West Publishing Company.
- Burch, E.S. Jr. 1975b. Inter-Regional Transportation in Traditional Northwest Alaska. Anthropological Papers of the University of Alaska, Fairbanks 17(2):1-11.
- Burgess, R.M. 2000. Arctic Fox. Chapter 8 In: The Natural History of an Arctic Oilfield: Development and the Biota. J.C. Truett and S.R. Johnson, eds. New York: Academic Press, pp. 159-178.
- Burgess, R. 2003. Personal communication, August 22.

- Burgess, R.M., and R.J. Ritchie. 1991. Snow Goose. 1987 Endicott Environmental Monitoring Program. Volume 8, Part V, Chapter 1. Report by the U.S. Army Corps of Engineers, Alaska District, Anchorage, AK, by EnviroSphere Company, Anchorage, AK.
- Burgess, R.M., and A.A. Stickney. 1992a. Arctic Fox Investigations in the North Slope Oilfields in 1991: Status Report. Unpublished report sponsored by BP Exploration (Alaska) Inc., Anchorage.
- Burgess, R.M., and Stickney, A.A. 1992b. Reaction of Brood-Rearing Snow Geese to Oil Development Related and Natural Disturbances in the Endicott Development Area, Alaska, 1985-1990. In: Proceedings of the 7th North American Arctic Goose Conference and Workshop, 7-12 Jan. 1992, Vallejo, CA
- Burgess, R.M., J.R. Rose, P.W. Banyas, and B.E. Lawhead. 1993. Arctic Fox Studies in the Prudhoe Bay Unit and Adjacent Undeveloped Areas, 1992. Final report by ABR, Inc., Fairbanks, Alaska. Prepared for BP Exploration (Alaska) Inc., Anchorage, Alaska.
- Burgess R.M., C.B. Johnson, B.E. Lawhead, A.M. Wildman, A.A. Stickney, and J.R. Rose. 2000. Wildlife Studies in the CD South Study Area, 2000. Report by ABR, Inc., Fairbanks, Alaska. Prepared for Phillips Alaska, Inc.
- Burgess, R.M., C.B. Johnson, B.E. Lawhead, A.M. Wildman, P.E. Seiser, A.A. Stickney, and J.R. Rose. 2002a. Wildlife Studies in the CD South Study Area, 2001. Second annual report by ABR Inc. – Environmental Research & Services. Prepared for ConocoPhillips Alaska, Inc., Anchorage, Alaska, 98 pp.
- Burgess, R.M., C.B. Johnson, P.E. Seiser, A.A. Stickney, A.M. Wildman, and B.E. Lawhead. 2002b. Wildlife Studies in the Northeast Planning Area of the National Petroleum Reserve–Alaska, 2001. Final report by ABR Inc. – Environmental Research & Services. Prepared for ConocoPhillips Alaska, Inc., Anchorage, Alaska, 71 pp.
- Burgess, R.M., C.B. Johnson, B.E. Lawhead, A.M. Wildman, P.E. Seiser, A.A. Stickney, and J.R. Rose. 2003a. Wildlife Studies in the CD South Study Area, 2002c. Third annual report by ABR Inc. – Environmental Research & Services. Prepared for ConocoPhillips Alaska, Inc., Anchorage, Alaska, 93 pp.
- Burgess, R.M., C.B. Johnson, A.M. Wildman, P.E. Seiser, J.R. Rose, A.K. Prichard, T.J. Mabee, A.A. Stickney, and B.E. Lawhead. 2003b. Wildlife Studies in the Northeast Planning Area of the National Petroleum Reserve-Alaska, 2002. Final report by ABR, Inc., – Environmental Research and Services, Fairbanks, Alaska. Prepared for ConocoPhillips Alaska, Inc.
- Burns, J.J. 1967. The Pacific Bearded Seal., ADF&G, Pittman-Robertson Project Reports W-6-R and W-14-R.
- Burns, J.J. 1973. Marine Mammal Report. ADF&G, Pittman-Robertson Project Reports W-17-3, 1-17-4, and W-17-5.
- Burns, J.J. 1981. Bearded Seal – *Erignathus barbatus* Erxleben, 1777. In: Handbook of Marine Mammals. Volume 2. Seals. S.H. Ridgway and R.J. Harrison, eds. New York: Academic Press, pp. 145-170.
- Burns, J.J. 1990. Proceedings of a Technical Workshop on Fishes Utilized in Subsistence Fisheries in the National Petroleum Reserve-Alaska: Barrow, Alaska, October 26-28, 1988. Report to North Slope Borough, Department of Wildlife Management, Barrow, Alaska. 94 pp.
- Burns, J.J., and K.J. Frost. 1979. The Natural History and Ecology of the Bearded Seal, *Erignathus barbatus*, Final Report. Fairbanks, AK: Alaska Department of Fish and Game.
- Burns, J.J., and G.A. Seaman. 1985. Investigations of Belukha Whales in Coastal Waters of Western and Northern Alaska II. Biology and Ecology. Outer Continental Shelf Environmental Assessment Program, Final Reports.
- Burns, J., C.B. Johnson, and S.R. Johnson. 2001. Marine Mammals. In Environmental Report for Trans-Alaska Pipeline System Right-of-Way Renewal, Trans-Alaska Pipeline System Owners.
- Byers, S.C., and R.K. Kashino. 1980. Survey of Fish Populations in Kugmallit Bay and Tuktoyaktuk Harbour, Northwest Territories. Report by Dobrocky Seatech Limited. Prepared for Dome Petroleum Limited, Calgary. 20 pp.

- Cairns, J. Jr. 1968. Suspended solids standards for the protection of aquatic organisms. Purdue University. Engineering Bulletin No. 129.
- Calef, G., E. DeBock, and G. Lortie. 1976. The Reaction of Barren-Ground Caribou to Aircraft. *Arctic* 29:201-212.
- CALM (Circumpolar Active Layer Monitoring). 2003. [Online] Available <http://www.geography.uc.edu/~kenhinke/CALM/sites.html>. CALM thaw measurements sponsored by the National Science Foundation, through the University of Cincinnati, Kenneth Hinkel. 31 May 2003.
- Cameron, R.D. 1994. Distribution and Productivity of the Central Arctic Caribou Herd in Relation to Petroleum Development: Case History Studies with a Nutritional Perspective. Final report. Federal Aid in Wildlife Restoration Study 3.35. Grants W-23-1, W-23-2, W-23-3, W-23-4, W-23-5, W-24-2, W-24-3. Juneau, AK: State of Alaska, Department of Fish and Game, Division of Wildlife Conservation, 35 pp.
- Cameron, R.D., and J. VerHoef. 1994. Predicting Parturition Rate of Caribou from Autumn Body Mass. *Journal of Wildlife Management* 58:674-678.
- Cameron, R.D., and J. VerHoef. 1996. Declining Abundance of Calving Caribou in an Arctic Oil-field Complex. Paper presented at the Northwest Section Meeting, The Wildlife Society, Banff, Alberta, Canada. Abstract.
- Cameron, R.D., and B. Griffith. 1997. Detecting Shifts in the Distribution of Calving Caribou. Paper presented at the Fourth Annual Conference of the Wildlife Society, Snowmass, Colorado, USA. Abstract.
- Cameron, R.D., and K.R. Whitten. 1979. Seasonal Movements and Sexual Segregation of Caribou Determined by Aerial Survey. *Journal of Wildlife Management* 43:626-633.
- Cameron, R.D., K.R. Whitten, W.T. Smith, and D.D. Roby. 1979. Caribou Distribution and Group Composition Associated with Construction of the Trans-Alaska Pipeline. *Canadian Field-Naturalist* 93:155-162.
- Cameron, R.D., S.G. Fancy, and W.T. Smith. 1992a. Reproductive Performance of Caribou in Relation to Habitat Availability and Quality. In: Research on the Potential Effects of Petroleum Development on Wildlife and their Habitat, Arctic National Wildlife Refuge Interim Report, 1988-1990, T.R. McCabe, B. Griffith, N.E. Walsh, and D.D. Young, eds. Fairbanks, AK: Alaska Fish and Wildlife Research Center and Arctic National Wildlife Refuge, pp. 67-78.
- Cameron, R.D., D.J. Reed, J.R. Dau, and W.T. Smith. 1992b. Redistribution of Calving Caribou in Response to Oil Field Development on the Arctic Slope of Alaska. *Arctic* 45:338-342.
- Cameron, R.D., E. A. Lenart, D.J. Reed, K.R. Whitten, and W.T. Smith. 1995. Abundance and Movements of Caribou in the Oilfield Complex near Prudhoe Bay, Alaska. *Rangifer* 15:3-7.
- Cameron, R.D., W.T. Smith, R.G. White, and B. Griffith. 2002. The Central Arctic Herd. In: Arctic Refuge Coastal Plain Terrestrial Wildlife Research Summaries, D.C. Douglas, P.E. Reynolds, and E.B. Rhode, eds. U.S. Geological Survey, Biological Resources Division, Biological Science Report USGS/BRD/BSR-2002-0001, pp. 38-45.
- Cammaert, A.B. 1980. Oil and Gas under Ice Laboratory Study. Report No. RWC17. Ottawa, Ont., Canada: Canadian Marine Drilling Ltd. and Canada Environmental Protection Service.
- Cannon, T.C., B.A. Adams, D. Glass, and T. Nelson. 1987. Fish Distribution and Abundance. In: Endicott Environmental Monitoring Program, Final Reports, 1985. Chapter 1, Volume 6. Report by Envirosphere Company. Prepared for U.S. Army Corps of Engineers, Alaska District, Anchorage, Alaska. 129 pp.
- Carroll, G.M. 1992. Teshekpuk Lake Caribou Herd. Survey-inventory Progress Report, 1989-1990. In: Caribou. Annual Report of Survey-Inventory Activities, S.M. Abbott, ed. Federal Aid in Wildlife Restoration Grants W-23-3 and W-23-4. Juneau, AK: Alaska Department of Fish and Game, pp. 117-186.

- Carroll, G.M. 1995. Teshekpuk Lake Caribou Herd. Survey-Inventory Progress Report. In: Caribou. Management Report of Survey-Inventory Activities, M.V. Hicks, ed. Federal Aid in Wildlife Restoration Grants W-24-1 and W-24-2. Juneau, AK: Alaska Department of Fish and Game, pp. 200-210.
- Carroll, G.M. 1997. Teshekpuk Lake Caribou Herd. Survey-Inventory Progress Report. In: Caribou. Management Report of Survey-Inventory Activities, M.V. Hicks, ed. Federal Aid in Wildlife Restoration Grants W-24-3 and W-24-4. Juneau, AK: ADF&G, pp. 208-218.
- Carroll, G.M. 1998. Unit 26A; Western North Slope. In: Furbearers. Management Report of Survey-Inventory Activities, M.V. Hicks, ed. Federal Aid in Wildlife Restoration Grants W-24-3, W-24-4, and W-24-5. Juneau, AK: ADF&G, pp. 319-322.
- Carroll, G.M. 1999a. Teshekpuk Lake Caribou Herd. In: Caribou. Management Report of Survey-Inventory Activities, M.V. Hicks, ed. Federal Aid in Wildlife Restoration Grants W-24-5 and W-27-1. Juneau, AK: ADF&G, pp. 211-219.
- Carroll, G.M. 1999b. GMU 26A; Western North Slope. In: Brown Bear. Management Report of Survey-Inventory Activities, M.V. Hicks, ed. Federal Aid in Wildlife Restoration Grants W-24-5 and W-27-1. Juneau, AK: ADF&G, pp. 295-306.
- Carroll, G.M. 2000a. GMU 26A; Western North Slope. In: Wolf. Management Report of Survey-Inventory Activities, M.V. Hicks, ed. Federal Aid in Wildlife Restoration Grants W-24-5, W-27-1, and W-27-2. Juneau, AK: ADF&G, pp. 257-268.
- Carroll, G.M. 2000b. GMU 26A; Western North Slope. In: Moose. Management Report of Survey-Inventory Activities, M.V. Hicks, ed. Federal Aid in Wildlife Restoration Grants W-27-1, and W-27-2. Juneau, AK: ADF&G, pp. 523-537.
- Carroll, G.M. 2001. Teshekpuk Lake Caribou Herd Survey-Inventory Progress Report. In: Caribou. Management report of Survey-Inventory Activities, M.V. Hicks, ed. Juneau, AK: ADF&G, pp. 211-230.
- Carroll, G.M., J.C. George, L.F. Lowry, and K.O. Coyle. 1987. Bowhead Whale (*Balaena mysticetus*) Feeding Near Point Barrow, Alaska, during the 1985 Spring Migration. *Arctic* 40(2):105-110.
- Carroll, J. 2003. Caribou Management Report: From 1 July 2000 to 30 June 2002, Game Management Unit 26A. in: Caribou Management Report of Survey-Inventory Activities, 1 July 2000 to 30 June 2002. Alaska Department of Fish and Game, Division of Wildlife Conservation, Juneau, AK. December 2003: 280-303.
- Carruthers, D.R., R.D. Jakimchuk, and S.H. Ferguson. 1984. The Relationship Between the Central Arctic Caribou Herd and the Trans-Alaska Pipeline. Anchorage, AK: Alyeska Pipeline Company, 207 pp.
- Carruthers, D.R., and R.D. Jakimchuk. 1987. Migratory Movements of the Nelchina Herd in Relation to the Trans-Alaska Pipeline. *Wildlife Society Bulletin* 15:414-420.
- Carruthers, D.R., S.H. Ferguson, and L.G. Sopuck. 1987. Distribution and Movements of Caribou, *Rangifer tarandus*, in the Central Arctic Region of Alaska. *Canadian Field-Naturalist* 101:423-432.
- Carter, D.L., and J.P. Galloway, 1985. Engineering-Geologic Maps of Northern Alaska, Harrison Bay Quadrangle. Department of the Interior, U.S. Geological Survey. Open-file Report 85-256. June 1.
- Catalog of Federal Domestic Assistance (CDFA). Not dated. The [Online] Available <http://www.cfda.gov/public/viewprog.asp?progid=437>. Accessed May 12, 2003.
- Center for Biological Diversity. 2004. Petition to list the yellow-billed loon, *Gavia adamsii*, as an endangered or threatened species under the Endangered Species Act. Prepared by the Center for Biological Diversity and others submitted to U.S. Fish and Wildlife Service 30 March 2004.

- Chan-McLeod, A.C.A., R.G. White, and D.F. Holleman. 1994. Effects of Protein and Energy Intake, Body Condition, and Season on Nutrient Partitioning and Milk Production in Caribou and Reindeer. *Canadian Journal of Zoology* 72:938-947.
- Chan-McLeod, A.C.A., R.G. White, and D.E. Russell. 1999. Comparative Body Composition Strategies of Breeding and Non-Breeding Female Caribou. *Canadian Journal of Zoology* 77:1901-1907.
- Chance, N.A. 1990. *The Iñupiat and Arctic Alaska: An Ethnography of Development*. Fort Worth, TX: Holt, Rinehart and Winston.
- Chapin, F.S. III, A.J. Bloom, C.B. Field, and R.H. Waring. 1987. Plant Responses to Multiple Environmental Factors. *BioScience* 37:49-56.
- Chapman, D.G. 1984. Estimates of Net Recruitment of the Alaska Bowhead Whales and Risk Associated with Various Levels of Kill. Report of the International Whaling Commission 34:469-471.
- Chesemore, D.L. 1967. Ecology of the Arctic Fox in Northern and Western Alaska. M.S. thesis. Fairbanks, AK: University of Alaska.
- Chesemore, D.L. 1968. Notes on the Food Habits of Arctic Foxes in Northern Alaska. *Canadian Journal of Zoology* 46:1127-1130.
- Chesemore, D.L. 1975. Ecology of the Arctic Fox (*Alopex lagopus*) in North America- A Review. In: *The Wild Canids: Their Systematics, Behavioral Ecology and Evolution*, M.W. Fox, ed. New York: Van Nostrand-Reinhold, 508 pp.
- Chuvilin, E.M., N.S. Naletova, E.C. Miklyaeva, E.V. Kozlova, and A. Instanes. 2001. Factors Affecting Spreadability and Transportation of Oil in Regions of Frozen Ground. *Polar Records* 37:229-238.
- Circumpolar Research Associates (CRA). 2002. Sociocultural Impacts of the Alpine Field on the Colville River Community of Nuiqsut: An Initial Assessment – Final Report, prepared for Phillips Inc. and the Kuukpikmuit Subsistence Oversight Panel, Anchorage, Alaska, February.
- Cleator, H.J., and I. Stirling. 1990. Winter Distribution of Bearded Seals (*Erignathus barbatus*) in the Penny Strait Area, Northwest Territories, as Determined by Underwater Vocalizations. *Canadian Journal of Fisheries and Aquatic Sciences* 47:1071-1076.
- Cluck, R. 2000. Personal Communication to Mike Burwell, MMS, Alaska OCS Region; subject: 10/16/00 review of Burwell's sociocultural systems selections for Liberty draft EIS.
- Clymo, R.S., and P.M. Hayward. 1982. The Ecology of Sphagnum. In: *Bryophyte Ecology*, A.J.E. Smith, ed. New York: Chapman and Hall, pp. 229-289.
- Coastal Frontiers. 2002. Design Wave Conditions at the CD-North Production Facility, Final Report; prepared for Phillips Alaska, Inc., Anchorage, Alaska by Coastal Frontiers Corporation, Chatsworth, California, and Offshore and Coastal Technologies, Inc., Vicksburg, Mississippi, May 2002.
- Code of Federal Regulations. 2002. Title 49—Transportation, Chapter I--Research And Special Programs Administration, Department of Transportation, Part 195--Transportation Of Hazardous Liquids By Pipeline. October.
- Cohen, D.M. 1954. Age and Growth Studies on Two Species of Whitefishes from Point Barrow, Alaska. *Stanford Ichthyological Bulletin* 4:168-187.
- Collins, C.M., C.H. Racine, and M.E. Walsh. 1993. Fate and Effects of Crude Oil Spilled on Subarctic Permafrost Terrain in Interior Alaska: Fifteen Years Later. CRREL Report 93-13. Hanover, NH: Cold Regions Research and Engineering Laboratory.
- Colonell, J.M., and B.J. Gallaway. 1997. Wind-Driven Transport and Dispersion of Age-0 Arctic Cisco along the Beaufort Sea Coast. *American Fisheries Society Symposium* 19: 90-103.

## BIBLIOGRAPHY

---

- Comfort, G., T. Roots, L. Chabot, and F. Abbott. 1983. Oil Behavior under Multi-Year Ice at Griper Bay, NWT. In: Proceedings of the Sixth Arctic and Marine Oilspill Program Technical Seminar, Ottawa, Ontario, Canada: Environment Canada.
- Conant, B., D.G. Groves, C. Ferguson, and R.J. King. 1997. Oldsquaw Ducks – Towards Listing. In: 7th Alaska Bird Conference, Anchorage, AK., Dec. 1-4, 1997. Anchorage, AK: USDOI, Fish and Wildlife Service.
- Corey, Frederick E. 1991. Construction Guidelines for Oil and Gas Exploration in Northern Alaska. CRREL Report 91-12. November 1991. Hanover, NH: Cold Regions Research and Engineering Laboratory.
- Cottam, C. 1939. Food Habits of North American Diving Ducks. USDA Technical Bulletin No. 643. Washington DC: U.S. Dept. of Agriculture.
- CPAI (ConocoPhillips Alaska, Inc.). 2002a. Environmental Evaluation Document (EED), Colville River Unit – Satellite Development, Revised June 2002.
- CPAI. 2002b. Supporting Documentation for Alpine Satellite Development Program, Introduction and Project Description. September.
- CPAI. 2003a. Supporting Documentation for Alpine Satellite Development Plan, Preliminary Alternatives and Environmental Conditions. Final. February.
- CPAI. 2003b. Ground versus Air-Supported Satellites, An Assessment of Transportation Alternatives for NPR-A Development. Final. April.
- CPAI. 2003c. Response to Request for Information #103. June.
- CPAI. 2003d. Response to Request for Information #151. June.
- CPAI. 2003e. Response to Requests for Information #11 and #12. June.
- CPAI. 2003f. Oil Discharge Prevention and Contingency Plan (ODPCP). April.
- CPAI. 2003g. Response to Request for Information #92. June.
- CPAI. 2003h. Response to Request for Information #152. June.
- CPAI. 2003i. Ground Versus Air-Supported Satellites, an Assessment of Transportation Alternatives for NPR-A Development. April.
- CPAI. 2003j. Response to Request for Information #30. May.
- CPAI. 2003k. Response to Request for Information #116. May.
- CPAI. 2003l. Response to Request for Information #18. May.
- CPAI. 2003m. Response to Request for Information #89. May.
- CPAI. 2003n. Response to Request for Information #33. May.
- CPAI. 2003o. Alpine CD-North Pipelines Conceptual Leak Detection Study. Response to Request for Information #94. June.
- CPAI. 2003p. NPR-A Oil Spill Response Strategy. Prepared by Polaris Applied Sciences, Inc. May 2003.
- CPAI. 2003q. Response to Request for Information #85, May 15.
- CPAI. 2004a. Permit Applications and Amendments for approval for construction and operation of five drill sites, pipelines, roads, an airstrip, and other associated facilities in and near the Colville River unit for the Alpine Satellite

- Development Plan.CPAI. 2004: Personal communication between Sally Rothwell (CPAI) and Peter Hendricks (Entrix, Inc.) via e-mail on 14 April 2004, concerning the level of rail service used at Alpine.
- CPAI. 2004b. Personal communication between Sally Rothwell (CPAI) and Leslie Boughton (Newfields, Inc.), January 2004.
- Conrad, J.E., E.H. McKee, and B.D. Turin. 1990. K-AR and 40Ar/39Ar Ages of Tuff Beds at Ocean Point on the Colville River, Alaska. *Geologic Studies in Alaska by the U.S. Geological Survey, 1989. U.S. Geological Survey Bulletin 1946:77-82.* U.S. Government Printing Office, Washington, D.C. Cited in Reanier, R.E. 2002. *Archaeological and Cultural Resources Reconnaissance in the Phillips Alaska Exploration Area, National Petroleum Reserve, Alaska, for the Year 2001.* Prepared for Phillips Alaska, Inc.
- Corey, Frederick E. 1991. *Construction Guidelines for Oil and Gas Exploration in Northern Alaska.* CRREL Report 91-21. November 1991. Hanover, NH: Cold Regions Research and Engineering Laboratory.
- Cottam, C. 1939. *Food Habits of North American Diving Ducks.* USDA Technical Bulletin No. 643. Washington, DC: U.S. Dept. of Agriculture.
- Cotter, P.A., and B.A. Andres. 2000. *Nest Density of Shorebirds Inland from the Beaufort Sea Coast, Alaska.* *Canadian Field-Naturalist* 114(2):287-291.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. *Classification of Wetlands and Deepwater Habitats of the United States.* FWS/OBS-79/31, Biological Services Program, U.S. Fish and Wildlife Service, 103 pp.
- Cox, C., L.A. Schultz, R.P. Johnson, and R.A. Shelsby. 1980. *The Transport and Behavior of Oil Spilled in and Under Sea Ice.* J.D. Craig and K.W. Sherwood. 1998. *Petroleum Geology and Oil and Gas Resource Assessment.* In: *Northeast National Petroleum Reserve-Alaska Final Integrated Activity Plan/EIS. Vol. I, Sections III-A.1(a)(2) and (3).* Anchorage, AK: BLM and MMS, pp. III-A-2 to III-A-31.
- Craig, P.C. 1977a. *Arctic Char in Sadlerochit Spring, Arctic National Wildlife Refuge.* Chapter 2 (29 pp.) In: *Studies of Fisheries Investigations along the North Slope and Beaufort Sea Coast in Alaska with Emphasis on Arctic Char.* Arctic Gas Biological Report Series, Volume 41, P. McCart, ed. Report by Aquatic Environments Limited. Prepared for Canadian Arctic Gas Study Limited and Alaskan Arctic Gas Study Company, 173 pp.
- Craig, P.C. 1977b. *Ecological Studies of Amphidromous and Resident Populations of Arctic Char in the Canning River Drainage and Adjacent Coastal Waters of the Beaufort Sea, Alaska.* Chapter 1 (116 pp.) In: *Studies of Fisheries Investigations along the North Slope and Beaufort Sea Coast in Alaska with Emphasis on Arctic Char.* Arctic Gas Biological Report Series, Volume 41, P. McCart, ed. Report by Aquatic Environments Limited. Prepared for Canadian Arctic Gas Study Limited and Alaskan Arctic Gas Study Company, 173 pp.
- Craig, P.C. 1977c. *Fisheries Research in the Shaviovik Drainage, Alaska, with Emphasis on Arctic Char in the Kavik River.* Chapter 3 (28 pp.) In: *Studies of Fisheries Investigations along the North Slope and Beaufort Sea Coast in Alaska with Emphasis on Arctic Char.* Arctic Gas Biological Report Series, Volume 41, P. McCart, ed. Report by Aquatic Environments Limited. Prepared for Canadian Arctic Gas Study Limited and Alaskan Arctic Gas Study Company. 173 pp.
- Craig, P.C. 1984. *Fish Use of Coastal Waters of the Beaufort Sea: A Review.* *Transactions of the American Fisheries Society* 113:265-282.
- Craig, P.C. 1989a. *An Introduction to Amphidromous Fishes in the Alaskan Arctic.* *Biological Papers of the University of Alaska* 24:27-54.
- Craig, P. 1989b. *An Introduction to Anadromous Fishes in the Alaskan Arctic.* In: *Research Advances on Anadromous Fish in Arctic Alaska and Canada.* *Biological Papers of the University of Alaska* 24:27-54. Cited in Fuller, A.S., and J.C. George. 1999. *Evaluation of Subsistence Harvest Data from the North Slope Borough 1993 Census for Eight North Slope Villages: For the Calendar Year 1992.* Barrow, AK: North Slope Borough, Department of Wildlife Management.

- Craig, P.C. 1989c. Subsistence Fisheries at Coastal Villages in the Alaskan Arctic, 1970-1986. *Biological Papers of the University of Alaska* 24:131-152.
- Craig, P.C., and L. Haldorson. 1981. Beaufort Sea Barrier Island-Lagoon Ecological Process Studies: Final Report, Simpson Lagoon. Part 4, Fish. In: *Environmental Assessment of the Alaskan Continental Shelf*. Bureau of Land Management and National Oceanic and Atmospheric Administration, Outer Continental Shelf Environmental Assessment Program, Final Report, Volume 7, pp. 384-678.
- Craig, P.C., and G.J. Mann. 1974. Life History and Distribution of Arctic Cisco (*Coregonus autumnalis*) along the Beaufort Sea Coastline in Alaska and the Yukon Territory. Chapter 4 (33 pp.) In: *Life Histories of Anadromous and Freshwater Fish in the Western Arctic*. Arctic Gas Biological Report Series, Volume 20, P.J. McCart, ed. Report by Aquatic Environments Limited. Prepared for Canadian Arctic Gas Study Limited and Alaskan Arctic Gas Study Company, 225 pp.
- Craig, P.C., and P. McCart. 1974. Fish Use of Nearshore Coastal Waters in the Western Arctic: Emphasis on Anadromous Species. In: *Assessment of the Arctic Marine Environment: Selected Topics*. Fairbanks, AK: Institute of Marine Science, University of Alaska, pp. 361-388
- Craig, P.C., and P. McCart. 1975. Classification of Stream Types in Beaufort Sea Drainages Between Prudhoe Bay, Alaska, and the Mackenzie Delta, N.W.T. *Arctic and Alpine Research* 7:183-198.
- Cramp, S., K. Simmons, I. Ferguson-Lees, R. Gillmor, P. Hollom, R. Hudson, E. Nicholson, M. Ogilvie, P. Olney, K. Voous, and J. Wattle. 1977. *Handbook of the Birds of Europe, the Middle East, and North Africa*. Oxford UK: Oxford University Press.
- Critchlow, K.R. 1983. Fish Study. In: *Prudhoe Bay Waterflood Environmental Monitoring Program 1982*. Report by Woodward-Clyde Consultants. Prepared for U.S. Army Corps of Engineers, Alaska District, Anchorage, Alaska. pp. 1-327
- Cronin, M.A., W.B. Ballard, J. Truett, and R. Pollard. 1994. Mitigation of the Effects of Oilfield Development and Transportation Corridors on Caribou. Final Report by LGL Alaska Research Associates, Inc., Anchorage, Alaska. Prepared for the Alaska Caribou Steering Committee.
- Cronin, M.A., B.J. Pierson, S.R. Johnson, L.E. Noel, and W.B. Ballard. 1997. Caribou Population Density in the Prudhoe Bay Region of Alaska. *Journal of Wildlife Resources* 2:59-68.
- Cronin, M.A., S.C. Amstrup, G.M. Durner, L.E. Noel, and W.B. Ballard. 1998a. Caribou Distribution During the Post-Calving Period in Relation to Infrastructure in the Prudhoe Bay Oil Field. *Arctic* 51:85-93.
- Cronin, M.A., W.B. Ballard, J.D. Bryan, B.J. Pearson, and J.D. McKendrick. 1998b. Northern Alaska Oil Fields and Caribou: A Commentary. *Biological Conservation* 83:195-208.
- Cronin, M.A., H.A. Whitlaw, and W.B. Ballard. 2000. Northern Alaska Oil Fields and Caribou. *Wildlife Society Bulletin* 28:919-922.
- Cronin, M.A., N. Balmysheva, and M.D. MacNeil. 2003. Genetic Variation in Caribou and Reindeer (*Rangifer tarandus*). *Animal Genetics* in press.
- Curatolo, J.A. 1975. Factors Influencing Local Movements and Behavior of Barren-Ground Caribou, *Rangifer tarandus granti*. M.S. thesis. Fairbanks, AK: University of Alaska.
- Curatolo, J.A., and S.M. Murphy. 1986. The Effects of Pipelines, Roads, and Traffic on the Movement of Caribou, *Rangifer tarandus*. *Canadian Field-Naturalist* 100:218-225.
- Curran, Janet H., David F. Meyer, and Gary D. Tasker. 2003. Estimating the Magnitude and Frequency of Peak Streamflows for Ungaged Sites on Streams in Alaska and Conterminous Basins in Canada; Water-Resources Investigations

- Report 03-4188, U.S. Geological Survey. Prepared in cooperation with the Alaska Department of Transportation and Public Facilities.
- Cutler, T. (EPA). 2004. Personal communication with ENTRIX, Inc. 30 April 2004.
- Dalrymple, T. and M.A. Benson. 1967. Techniques of Water-Resources Investigations of the U.S. Geological Survey. Book 3, Chapter A2, 12pp.
- Dalrymple, T. and M.A. Benson. 1984. Measurement of Peak Discharge by the Slope-Area Method. Techniques of Water Resource investigations of the United States Geological Survey. Washington: U.S. Government Printing Office.
- Dau, C. 1974. Nesting Biology of the Spectacled Eider, *Somateria fischeri* (Brandt), on the Yukon-Kuskokwim Delta, Alaska. M.S. Thesis. Fairbanks AK: University of Alaska Fairbanks.
- Dau, C.P. 1976. Clutch Size of the Spectacled Eider on the Yukon-Kuskokwim Delta, Alaska. *Wildfowl* 27:111-113.
- Dau, C.P., and S.A. Kistchinshi. 1977. Seasonal Movements and Distribution of the Spectacled Eider. *Wildfowl* 28(1977):65-75.
- Dau, C.P. and P.D. Anderson. 2001. Aerial Population Survey of Common Eiders and Other Waterbirds in Nearshore Waters and along Barrier Islands of the Arctic Coastal Plain of Alaska, 30 June-3 July 2001. Unpublished report, USFWS, Anchorage Alaska. 16 pp.
- Dau, C.P., and P.D. Anderson. 2002. Aerial Population Survey of Common Eiders and Other Waterbirds in Near Shore Waters and Along the Barrier Islands of the Arctic Coastal Plain of Alaska, 25-29 June 2002. Unpublished report, USFWS, Anchorage, Alaska.
- Dau, C.P. and J.I. Hodges. 2003. Aerial Population Survey of Common Eiders and Other Waterbirds in Nearshore Waters and along Barrier Islands of the Arctic Coastal Plain of Alaska, 27-30 June 2003. Unpublished report, USFWS, Anchorage Alaska. 18 pp.
- Dau, J.R. 1986. Distribution and Behavior of Barren-Ground Caribou in Relation to Weather and Parasitic Insects. M.S. thesis. Fairbanks, AK: University of Alaska, 243 pp.
- Dau, J.R. 1999. Western Arctic Herd. In: Caribou. Management Report of Survey-Inventory Activities, M.V. Hicks, ed. Federal Aid in Wildlife Restoration Report, Grants W-24-5 and W-27-1. Juneau, AK: ADF&G, pp. 160-185.
- Dau, J.R., and R.D. Cameron. 1986a. Effects of a Road System on Caribou Distribution During Calving. *Rangifer*, Special Issue No. 1:95-101.
- Dau, J.R., and R.D. Cameron. 1986b. Responses of Barren-Ground Caribou to Petroleum Development near Milne Point, Alaska. Fairbanks, AK: ADF&G.
- Daum, D., P. Rost, and M. Smith. 1984. Fisheries Studies on the North Slope of the Arctic National Wildlife Refuge, 1983. Fishery Resources, USFWS, Fairbanks. Fishery Resources Progress Report Number FY84-1, 58 pp.
- Dauphine, T.C., Jr. 1976. Biology of the Kaminuriak Population of Barren-Ground Caribou, Part 4: Growth, Reproduction, and Energy Reserves. Report Series No. 38, Canadian Wildlife Service, Ottawa.
- Davis, J.L., and P. Valkenburg. 1978. Western Arctic Caribou Herd Studies. Federal Aid in Wildlife Restoration Grants W-17-8 and W-17-9. Juneau, AK: Alaska Department of Fish and Game, 104 pp.
- Davis, J.L., and P. Valkenburg. 1979. Caribou Distribution, Population Characteristics, Mortality, and Response to Disturbance in Northwest Alaska. In: Studies of Selected Wildlife and Fish and their Habitat on and Adjacent to National Petroleum Reserve in Alaska (NPR-A), 1977-1978. Volume 1, Work Group 3, Field Study 3, P.C. Lent, ed. Anchorage, AK: U.S. Department of the Interior, pp. 13-52.

- Davis, J.L. and P. Valkenburg. 1985. The Reaction of Caribou to Aircraft: A Comparison of Two Herds. In: Caribou and Human Activity. Proceedings of the First North American Workshop, A.M. Martell and D.E. Russell, eds. Whitehorse, Y.T., Canada, Sept. 28-29, 1983. Ottawa, Ont., Canada: Canadian Wildlife Service, pp. 7-9.
- Davis, J.L., P. Valkenburg, and R.D. Boertje. 1986. Empirical and Theoretical Considerations Toward a Model for Caribou Socioecology. *Rangifer*, Special Issue No. 1:103-109.
- Davis, R.A. and D.H. Thomson. 1984. Marine Mammals. Chapter 4. In: Proceedings of a Synthesis Meeting: The Barrow Arch Environment and Possible Consequences of Planned Offshore Oil and Gas Development., J.C. Truett, ed. Girdwood, Ak., Oct. 30-Nov. 1, 1983. Anchorage, AK: USDOC, NOAA, OCSEAP and USDO, MMS, pp. 47-79.
- Day, R.H. 1998. Predator Populations and Predation Intensity on Tundra-Nesting Birds in Relation to Human Development. Report by ABR, Inc. Fairbanks, Alaska. Prepared for U.S. Fish and Wildlife Service, Northern Ecological Services, Fairbanks, Alaska.
- Day, R.H., R.J. Ritchie, and D.A. Flint. 1995. Eider Surveys at Remote Air Force Sites in Alaska, 1994. Unpublished report prepared by ABR, Inc., for EA Engineering, Science, and Technology, Redmond, WA, and the U.S. Air Force, Elmendorf AFB, AK.
- Day, R.H., A.K. Prichard, J.R. Rose, and A.A. Stickney. 2003. Migration and Collision Avoidance of Eiders and Other Birds at Northstar Island, Alaska, 2001 and 2002. Prepared by ABR, Inc., Fairbanks, AK, for BP Exploration (Alaska) Inc., Anchorage, AK.
- Deadhorse Airport. 2003. Personal communication between Dwight Stuller, Deadhorse Airport Manager, and Kristin Paul, NewFields, on June 12, 2003.
- Delaney, R. March 10, 2003. Personal communication with John Baas, Senior Recreation Planner, ENTRIX, Inc. on wildlife and fishing guide activities in and near the ASDP Area. Telephone conversation.
- del Vecchio, P. (Alaska Department of Fish and Game). Personal communication. Cited in Burgess, R.M., C.B. Johnson, P.E. Seiser, A.A. Stickney, A.M. Wildman, and B.E. Lawhead. 2002b. Wildlife Studies in the Northeast Planning Area of the National Petroleum Reserve-Alaska, 2001. Final report by ABR Inc. – Environmental Research & Services. Prepared for ConocoPhillips Alaska, Inc., Anchorage, Alaska, 71 pp.
- DenBeste, J. and P. McCart. 1984a. Overview of studies of the long-term effects of the Trans Alaska Pipeline System on fish and aquatic habitats. Volume II. Report by Aquatic Environments Incorporated, Anchorage, Alaska.
- DenBeste, J. and P. McCart. 1984b. Results of studies of the long-term effects of the Trans Alaska Pipeline System on fish and aquatic habitats. Volume II. Report by Aquatic Environments Incorporated, Anchorage, Alaska.
- Derksen, D.V., M.W. Weller, and W.D. Eldridge. 1979. Distributional Ecology of Geese Molting near Teshekpuk Lake, National Petroleum Reserve-Alaska. In: Management and Biology of Pacific Flyway Geese. R.L. Jarvis and J.C. Bartonek, eds. Corvallis, OR: Oregon State University Bookstores, Inc. pp. 189-207.
- Derksen, D.V., T.C. Rothe, and W.D. Eldridge. 1981. Use of Wetland Habitats by Birds in the National Petroleum Reserve-Alaska. Resource Publication 141. Washington, D.C.: U.S. Fish and Wildlife Service, 27 pp.
- Derksen, D.V., W.D. Eldridge, and M.W. Weller. 1982. Habitat Ecology of Pacific Black Brant and Other Geese Moulting near Teshekpuk Lake, Alaska. *Wildfowl* 33:39-57.
- Derksen, D.V., K.S. Bollinger, D. Esler, K.C. Jensen, E.J. Taylor, M.S. Miller, and M.W. Weller. 1992. Effects of Aircraft on Behavior and Ecology of Molting Black Brant near Teshekpuk Lake, Alaska. Final report by U.S. Fish and Wildlife Service, Alaska Fish and Wildlife Research Center, Anchorage, AK, and Department of Wildlife and Fisheries Science, Texas A&M University, College Station, TX. Prepared for Bureau of Land Management, Fairbanks, AK, and Minerals Management Service, Anchorage, AK.
- Derocher A.E., and I. Stirling. 1991. Oil Contamination of Polar Bears. *Polar Record* 27:56-57.

- de Vos, A. 1960. Behavior of Barren Ground Caribou on their Calving Grounds. *Journal of Wildlife Management* 24:250–258.
- Dew, C.B. 1982. Under-Ice Survey of Overwintering Fish in the Sagavanirktok River in the Vicinity of the Sag River Bridge. Report BY Woodward-Clyde Consultants. Prepared for Exxon Co. USA, Los Angeles, California. 19 pp.
- Dew, C.B., and E. Mancini. 1982. Beaufort Sea Fisheries Investigations in the Vicinity of the Sagavanirktok River Delta – Summer 1981. In: *Duck Island Development: Marine Environmental Studies*. Report by Woodward-Clyde Consultants. Prepared for Exxon Company, Los Angeles, California. 249 pp.
- Dickens, D., and I. Buist. 1981. Oil and Gas Under Sea Ice. CV-1, Vols. I-II. Dome Petroleum Ltd.
- Divoky, G.J. 1984. The Pelagic and Nearshore Birds of the Alaskan Beaufort Sea: Biomass and Trophics. In: *The Alaska Beaufort Sea: Ecosystems and Environment*, E. Reimnitz, R. Barnes, and D.M. Schell, eds. New York: Academic Press.
- Divocky, G.J., and V. Mendenhall. 2000. Storm Alters Marine Bird Habitats on Alaska's North Slope. *Pacific Seabirds* 272:68.
- DM&A (Duane Miller & Associates). 2002. Geotechnical Exploration, NPRA Clover Material Site, NPRA, Alaska, DM&A Job No. 4015.37.
- DOE (U.S. Department of Energy). 2003. Annual Energy Outlook 2003. DOE, Energy Information Administration, January 2003. [Online] Available [www.eia.doe.gov/oiaf/aeo/index.html#production](http://www.eia.doe.gov/oiaf/aeo/index.html#production).
- DOE. n.d. Strategic Plan. DOE, Office of Transportation Technologies. [Online] Available [www.eia.doe.gov/strategic.shtml](http://www.eia.doe.gov/strategic.shtml).
- DOE/EIA. 1999. Petroleum Supply Annual. Volume 1. U.S. Department of Energy. Energy Information Administration. June 1999.
- Dryden & Larue, Inc. 2002. NPR-A Electrical Power Options. Submitted to Phillips Alaska, Inc. May.
- Duce, R.A., P.S. Liss, J.T. Merrill, et al. 1991. The Atmospheric Input of Trace Species to the World Ocean. *Global Biogeochemical Cycles* 5(3):193-259.
- Dumond, D. 1977. *The Eskimos and Aleuts*. London: Thames and Hudson.
- Dunne, T. and L. B. Leopold. 1978. *Water in Environmental Planning*. W.H. Freeman and Company, San Francisco, 818 pages.
- Durner, G.M., Amstrup, S.C., and A.S. Fischbach. 2003. Habitat Characteristics of Polar Bear Terrestrial Maternal Den Sites in Northern Alaska. *Arctic* 56(1):55-62.
- Dyer S.J., J.P. O'Neill, S.M. Wasel, and S. Boutin. 2002. Quantifying Barrier Effects of Roads and Seismic Lines on Movements of Female Woodland Caribou in Northeastern Alberta. *Canadian Journal of Zoology* 80:839-845.
- Dygas, J.A., R. Tucker, A.A. Naidu, and D.C. Burrell. 1971. A Preliminary Sedimentological Investigation of the Colville River and Oliktok Point Coastal Region. Baseline Data Study of the Alaskan Arctic Aquatic Environments: 8 Month Progress Report. R71-4, January, pp. 48-82.
- Eberhardt, L.E. 1977. *The Biology of Arctic and Red Foxes on the North Slope*. M.S. thesis. Fairbanks, AK: University of Alaska.
- Eberhardt, L.E., W.C. Hanson, J.L. Bengston, R.A. Garrot, and E.E. Hanson. 1982. Arctic Fox Home Range Characteristics in an Oil-Developed Area. *Journal of Wildlife Management* 46:183-190.

- Eberhardt, L.E., R.A. Garrott, and W.C. Hanson. 1983. Den Use by Arctic Foxes in Northern Alaska. *Journal of Mammalogy* 64:97-102.
- Ehrlich, P.R., D.S. Dobkin, and D. Wheye. 1988. *The Birders Handbook*. New York: Simon and Schuster, Inc.
- Eide, S.H., S.D. Miller, and M.A. Chihuly. 1986. Oil Pipeline Crossing Sites Utilized in Winter by Moose, *Alces alces*, and Caribou, *Rangifer tarandus*, in Southcentral Alaska. *Canadian Field-Naturalist* 100:197-207.
- Elliott, G.V. 1982. Evaluation of stream crossings and effects of channel modifications on fishery resources along the route of the Trans-Alaska Pipeline, Final report, U.S. Fish and Wildlife Service, Special Studies, Anchorage, Alaska.
- Ely, C.R., C.P. Dau, and C.A. Babcock. 1994. Decline in a Population of Spectacled Eiders Nesting on the Yukon-Kuskokwim Delta, Alaska. *Northwestern Naturalist* 75:81-87.
- Emers, M., and J.C. Jorgenson. 1997. Effects of Winter Seismic Exploration on the Vegetation and Soil Thermal Regime of the Arctic National Wildlife Refuge. In: *Disturbance and Recovery in Arctic Lands: An Ecological Perspective*, R.M.M. Crawford, ed. Dordrecht, The Netherlands: Kluwer Academic Publishers, pp. 443-454.
- Emers, M., J.C. Jorgenson, and M.K. Reynolds. 1995. Response of Arctic Plant Communities to Winter Vehicle Disturbance. *Canadian Journal of Botany* 73:905-919.
- Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report 7-87-1. Vicksburg, MS: U.S. Army Engineer Waterways Experiment Station.
- EPA. 2004. Storm Water Management for Road Construction and Maintenance. [Online] Available <http://www.epa.nsw.gov.au/stormwater/whatdo/local+council/roads.htm>. March 22, 2004.
- Everdingen, Robert van, ed. 1988, revised January 2002. Multi-language Glossary of Permafrost and Related Ground-Ice Terms. In *International Permafrost Association Standing Committee on Data Information and Communication (comp.)*. 2003. *Circumpolar Active-Layer Permafrost System, Version 2.0*. Edited by M. Parsons and T. Zhang. Boulder, CO: National Snow and Ice Data Center/World Data Center for Glaciology. CD-ROM.
- Everett, A. J. (ed.) n.d. *Chemical modeling in aqueous systems: Speciation, sorption, solubility, and kinetics*. American Chemical Society, Symposium series, 93.
- Everett, K.R. 1978. Some effects of oil on the physical and chemical characteristics of wet tundra soils. *Arctic* 31: 260276.
- Everett, K.R. 1979. Evolution of the Soil Landscape in the Sand Region of the Arctic Coastal Plain as Exemplified at Atkasook, Alaska. September. Vol. 32, No. 3. pp 207-223.
- Everett, K.R. 1980. Disturbance and Properties of Road Dust Along the Northern Portion of the Haul Road. CRREL Report 80-19, J.B. Brown and R.L. Berg, eds., pp. 101-128.
- Everett, K.R. and J. Brown. 1981. Some Recent Trends in the Physical and Chemical Characterization and Mapping of Tundra Soils, Arctic Slope of Alaska. *Soil Science*, Vol. 133, No. 5. May 1982 (submitted in 1981).
- Everett, K.R., B.M. Murray, D.F. Murray, A.W. Johnson, A.E. Linkins, and P.J. Webber. 1985. Reconnaissance Observations of Long-term Natural Vegetation Recovery in the Cape Thompson Region, Alaska, and Additions to the Checklist Flora. CRREL Report 85-11.
- Everett, R.J., R.L. Wilmot, and C.C. Krueger. 1997. Population Genetic Structure of Dolly Varden from Beaufort Sea Drainages of Northern Alaska and Canada. *American Fisheries Society Symposium* 19:240-249.
- Executive Order 13212. Actions to Expedite Energy-Related Projects. [Online] Available <http://www.whitehouse.gov/news/releases/2001/05/20010518-5.html>.
- FAA, 2003a. Airport Master Record, Form 5010-1, Deadhorse Airport, U.S. Department of Transportation, Federal Aviation Administration, March 20, 2003.

- FAA, 2003b. Airport Master Record, Form 5010-1, Wiley Post-Will Rogers Memorial Airport, U.S. Department of Transportation, Federal Aviation Administration, March 20, 2003.
- FAA, 2003c. Airport Master Record, Form 5010-1, Nuiqsut Airport, U.S. Department of Transportation, Federal Aviation Administration, March 20, 2003.
- Fair, J. 2002. Status and significance of yellow-billed loon (*Gavia adamsii*) populations in Alaska. Report by Fairwinds Wildlife Services for The Wilderness Society and Trustees for Alaska, Anchorage, AK.
- Fairweather E&P Services, Inc. 2000. Historical Blowout Study: North Slope, Alaska. Prepared for BP-Amoco Exploration, AK.
- Fall, J.A., and C.J. Utermohle. 1995. An Investigation of the Sociocultural Consequences of Outer Continental Shelf Development in Alaska. Vol. VI. Anchorage, AK: State of Alaska, Department of Fish and Game, Division of Subsistence.
- Fall, J.A. and C.J. Utermohle, compilers. 1999. Subsistence Harvests and Uses in Eight Communities Ten Years After the Exxon Valdez Oil Spill. Contributors: Alaska Department of Fish and Game: Louis Brown, Roger Dunbar, Melanie Guerrero, Jessie Mallery, Rita Miraglia, Craig Mishler, William Simeone, Ronald T. Stanek, Vicki Vanek; and Chugach Regional Resources Commission: Kenneth Anderson, Dan Burch, Sherry Glahn, Bud Janson Jr., Naomi Klouda, Kelly Kompkoff, Pete Kompkoff, Mary Malchoff, Debbie Monteon, Carol Murdock, Marie Nichols, Roberta Kvasnikoff, Jason Opheim, Edgar Otis, Dwana Selanoff, Irene Tanape, Nick Tanape, and Nancy Yeaton. Alaska Department of Fish and Game, Division of Subsistence Technical Paper No. 252. Juneau, Alaska.
- Fall, J.A., R. Miraglia, W. Simeone, C.H. Utermohle and R.J. Wolfe. 2001. Long-Term Consequences of the Exxon Valdez Oil Spill for Coastal Communities of Southcentral Alaska: Sociocultural Consequences of Alaska Outer Continental Shelf Activities: Data Analysis and Integration, Final Report. Submitted by the Alaska Department of Fish and Game, Division of Subsistence. United States Department of the Interior, Minerals Management Service, Alaska OCS Region Social and Economic Studies Unit Technical Report No. 163. Anchorage, Alaska.
- Fancy, S.G. 1983. Movements and Activity Budgets of Caribou near Oil Drilling Sites in the Sagavanirktok River Floodplain. *Arctic* 36:193-197.
- Fancy, S.G., L.F. Pank, K.R. Whitten, and W.L. Regelin. 1989. Seasonal Movements of Caribou in Arctic Alaska as Determined by Satellite Telemetry. *Canadian Journal of Zoology* 67:644-650.
- Fawcett, M.H., L.L. Moulton, and T.A. Carpenter. 1986. Colville River Fishes. In: Colville River Fish Study, 1985 Biological Report, Chapter 2. Report by ENTRIX, Inc. for ARCO Alaska, Inc., Anchorage, Alaska; the North Slope Borough, Barrow, Alaska; and City of Nuiqsut, Alaska. 86 pp.
- Fay, F.H. 1961. The Distribution of Waterfowl to St. Lawrence Island, Alaska. *Wildfowl* 12:70-80.
- Fechhelm, R.G. 1999. The Effect of New Breaching in a Prudhoe Bay Causeway on the Coastal Distribution of Humpback Whitefish. *Arctic* 52(4):385-393.
- Fechhelm, R.G. and D.B. Fissel. 1988. Wind-Aided Recruitment of Canadian Arctic Cisco (*Coregonus autumnalis*) into Alaskan Waters. *Canadian Journal of Fisheries and Aquatic Sciences* 45:906-910.
- Fechhelm, R.G., and W.B. Griffiths. 1990. The Effect of Wind on the Recruitment of Canadian Arctic Cisco (*Coregonus autumnalis*) into the Central Alaskan Beaufort Sea. *Canadian Journal of Fisheries and Aquatic Sciences* 47:2164-2171.
- Fechhelm, R.G., R.E. Dillinger, Jr., B.J. Gallaway, and W.B. Griffiths. 1992. Modeling of In Situ Temperature and Growth Relationships for Yearling Broad Whitefish in Prudhoe Bay, Alaska. *Transactions of the American Fisheries Society* 121:1-12.

- Fechhelm, R.G., W.B. Griffiths, W.J. Wilson, B.J. Gallaway, and J.D. Bryan. 1995. Intra- and Inter-Seasonal Changes in the Relative Condition and Proximate Body Composition of Broad Whitefish from the Prudhoe Bay Region of Alaska. *Transactions of the American Fisheries Society* 124:508-519.
- Fechhelm, R.G., W.B. Griffiths, L.R. Martin, B.J. Gallaway. 1996. Intra- and Interannual Variation in the Relative Condition and Proximate Body Composition of Arctic Ciscoes from the Prudhoe Bay Region of Alaska. *Transactions of the American Fisheries Society* 125:600-612.
- Fechhelm, R.G., J. Bryan, W.B. Griffiths, and L.R. Martin. 1997. Summer Growth Patterns of Northern Dolly Varden (*Salvelinus malma*) Smolts from the Prudhoe Bay Region of Alaska. *Canadian Journal of Fisheries and Aquatic Sciences* 54:1103-1110.
- Fechhelm, R.G., W.J. Wilson, B.E. Haley, and W.B. Griffiths. 2000. The 1999 Point Thomson Fish Study. Report by LGL Alaska Research Associates, Inc., for BP Exploration (Alaska) Inc., Anchorage, Alaska, and Point Thomson Unit Owners. 48 pp. + Append.
- Fechhelm, R.G. and W.B. Griffiths. 2001. Status of Pacific Salmon in the Beaufort Sea, 2001. Anchorage, AK: LGL Alaska Research Assocs., Inc., 13 pp.
- Fechhelm, R.G., W.B. Griffiths, B.E. Haley, and W.J. Wilson. 2003. Nearshore Beaufort Sea Fish Monitoring Study in the Prudhoe Bay Region, 2002. Draft Report for BP Exploration (Alaska), Anchorage, Alaska. 86 pp. + Append.
- Fechhelm, R.G., W.B. Griffiths, B.E. Haley, and M.R. Link. 2004. Nearshore Beaufort Sea Fish Monitoring in the Prudhoe Bay region, 2003. Report for BP Exploration (Alaska) Inc. by LGL Alaska Research Associates, Inc., Anchorage, Alaska. 73 pp. + Append.
- Feist, D.D. 1975. Population Studies of Lemmings on the Arctic Coastal Tundra near Prudhoe Bay, Alaska. In: *Ecological Investigations of the Tundra Biome in the Prudhoe Bay Region, Alaska*. J. Brown, ed. *Biological Papers of the University of Alaska, Special Report No. 2*. pp. 135-143.
- Felix, N.A., and M.K. Raynolds. 1989a. The Effects of Winter Seismic Trails on Tundra Vegetation in Northeastern Alaska, U.S.A. *Arctic and Alpine Research* 21(2):188-202.
- Felix, N.A., and M.K. Raynolds. 1989b. The Role of Snow Cover in Limiting Surface Disturbance Caused by Winter Seismic Exploration. *Arctic* 42(1):62-68.
- Felix, N.A., M.K. Raynolds, J.C. Jorgenson, and K.E. DuBois. 1992. Resistance and Resilience of Tundra Plant Communities to Disturbance by Winter Seismic Vehicles. *Arctic and Alpine Research* 24(1):69-77.
- Ferrians, O.J., Jr. 1994. Permafrost in Alaska. In: *The Geology of Alaska*. Plafker, G., and Berg, H.C., eds., *The Geology of North America*, v. G-1, Geophysical Society of America, Boulder, Colorado. pp. 845-854.
- Field, L.J., J.A. Fall, T.J. Nighswander, N. Peacock, and U. Varanasi, eds. 1999. *Evaluating and Communicating Subsistence Seafood Safety in a Cross-Cultural Context*. Pensacola, FL: SETAC Press, 338 pp.
- Fingas, M.F. 1996. The Evaporation of Oil Spills: Variation with Temperature and Correlation with Distillation Data. In: *Proceedings of the Nineteenth Arctic and Marine Oilspill Program (AMOP) Technical Seminar*, Calgary, Alberta, Canada, June 12-14, 1996. Ottawa, Ontario, Canada: Environment Canada, pp. 29-72.
- Finley, K.J., G.W. Miller, R.A. Davis, and W.R. Koski. 1983. A Distinctive Large Breeding Population of Ringed Seals (*Phoca hispida*) Inhabiting the Baffin Bay Pack Ice. *Arctic* 36(2):162-173.
- Fischer, J.B. 2001. Beaufort Shelf Offshore Survey, July 23-26, 2001. 2001 Trip Report. Anchorage, AK: USDO, FWS. 14 pp.
- Fischer, J.B., T.L. Tiplady, and W.W. Larned. 2002. Monitoring Beaufort Sea Waterfowl and Marine Birds—Aerial Survey Component. Anchorage, AK: USFWS, Division of Migratory Bird Management, Anchorage, AK. OCS Study, MMS 2002-002. 138 pp.

- Fischer, J.B. and W.W. Larned. 2004. Summer distribution of marine birds in the western Beaufort Sea. *Arctic* 57:143-159.
- Flint, P.L. 1998. Settlement Rate of Lead Shot in Tundra Wetlands. *Journal of Wildlife Management* 62(3):1099-1102.
- Flint, P.L., and J.B. Grand. 1997. Survival of Spectacled Eider Adult Females and Ducklings During Brood Rearing. *Journal of Wildlife Management* 61(1):217-221.
- Flint, P.L., M.R. Peterson, and J.B. Grand. 1997. Exposure of Spectacled Eiders and Other Diving Ducks to Lead in Western Alaska. *Canadian Journal of Zoology*. 75:439-443.
- Flint, P.L., and M.P. Herzog. 1999. Breeding of Steller's Eiders, *Polysticta stelleri*, on the Yukon-Kuskokwim Delta, Alaska. *Canadian Field-Naturalist* 113:306-308.
- Flint, P.L., M.R. Peterson, C.P. Dau, and J.D. Nichols. 2000. Annual Survival and Site Fidelity of Steller's Eiders Molting Along the Alaska Peninsula. *Journal of Wildlife Management*. 64(1):261-268.
- Flint, P.L., J.A. Reed, J.C. Franson, T.E. Hollmen, J.B. Grand, M.D. Howell, R.B. Lanctot, D.L. Lacroix, and C.P. Dau. 2003. Monitoring Beaufort Sea Waterfowl and Marine Birds. OCS Study MMS 2003-037. Anchorage, AK: USGS, Alaska Science Center.
- Follmann, E. H., D. G. Ritter, and G. M. Baer. 1988. Immunization of Arctic Foxes (*Alopex lagopus*) with Oral Rabies Vaccine. *Journal of Wildlife Diseases* 24:477-483.
- Ford, J., and B.L. Bedford. 1987. The Hydrology of Alaskan Wetlands, U.S.A.: A Review. *Arctic and Alpine Research* 19(3):209-229.
- Franson, J.C., M.R. Petersen, C.U. Meteyer, and M.R. Smith. 1995. Lead Poisoning of Spectacled Eiders (*Somateria fischeri*) and of a Common Eider (*Somateria mollissima*) in Alaska. *Journal of Wildlife Diseases* 31(2):268-271.
- Fredrickson, L.H. 2001. Steller's Eider (*Somateria fischeri*). In: *The Birds of North America*, No. 571. A. Poole and F. Gill, eds. Philadelphia, PA: The Birds of North America, Inc.
- Free, A.P., J.C. Cox, and L.A. Schultz. 1982. Laboratory Studies of Oil Spill Behavior in Broken Ice Fields. In: *Proceedings of the Fifth Arctic Marine Oil Spill Program Technical Seminar*, Edmonton, Alberta, Canada, Jun. 15-17, 1982. Ottawa, Ontario, Canada: Environment Canada, pp. 3-14.
- Frid, A., and L. Dill. 2002. Human-Caused Disturbance Stimuli as a Form of Predation Risk. *Conservation Ecology* 6(1):11.
- Frost, K.J. 1998. Harvest report: Statewide Summary for the Eastern Bering Sea Beluga Population, 1995-97. Alaska Beluga Whale Committee Rep. 98-1. 15 pp.
- Frost, K.J., and L.F. Lowry. 1981. Feeding and Trophic Relationship of Bowhead Whales and Other Vertebrate Consumers in the Beaufort Sea. Draft report submitted to the National Marine Fisheries Service, National Marine Mammal Laboratory, Seattle, WA.
- Frost, K. J., and R. Suydam. 1995. Harvests of Beluga Whales, *Delphinapterus leucas*, in Alaska, 1987-1994. Working paper for Alaska Beluga Whale Committee Scientific Workshop, Anchorage, AK, 5-7 April 1995. 14 pp.
- Frost, K.J., L.F. Lowry, J.R. Gilbert, and J.J. Burns. 1988. Ringed Seal Monitoring: Relationships of Distribution and Abundance to Habitat Attributes and Industrial Activities. U.S. Dep. Commer., NOAA, OCSEAP Final Rep. 61 (1989):345-445. NTIS PB89-234645.
- Frost, K.J., L.F. Lowry, and G. Carroll. 1993. Beluga Whale and Spotted Seal Use of a Coastal Lagoon System in the Northeastern Chukchi Sea. *Arctic* 46:8-16.
- Fuller, A.S., and J.C. George. 1999. Evaluation of Subsistence Harvest Data from the North Slope Borough 1993 Census for Eight North Slope Villages: For the Calendar Year 1992. North Slope Borough, Department of Wildlife Management. Barrow, AK.

- Furniss, R.A. 1974. Inventory and Cataloging of Arctic Area Waters. Alaska Department of Fish and Game, Federal Aid in Fish Restoration, Annual Performance Report 15:1-45.
- Galbraith, D.F., and J.G. Hunter. 1979. Fishes of Offshore Waters and Tuktoyaktuk Vicinity. Fisheries and Marine Service, Environment Canada. Beaufort Sea Technical Report 7, 47 pp.
- Gallaway, B.J., W.B. Griffiths, P.C. Craig, W.J. Gazey, and J.W. Helmericks. 1983. An Assessment of the Colville River Delta Stock of Arctic Cisco – Migrants from Canada. Biological Papers of the University of Alaska 21:4-23.
- Gallaway, B.J., W.J. Gazey, and L.L. Moulton. 1989. Population Trends for the Arctic Cisco (*Coregonus autumnalis*) in the Colville River of Alaska as Reflected by the Commercial Fishery. Biological Papers of the University of Alaska 24:153-165.
- Gallaway, B.J., R.G. Fechhelm, W.R. Griffiths, and J.G. Cole. 1997. Population Dynamics of Broad Whitefish in the Prudhoe Bay Region, Alaska. In: Fish Ecology in Arctic North America, J. Reynolds, ed. American Fisheries Society Symposium 19, Bethesda, Maryland, pp. 194-207.
- Gangloff, R.A. 1994. The Record of Cretaceous Dinosaurs in Alaska: An Overview. In: 1992 Proceedings, International Conference on Arctic Margins, Anchorage, Alaska, September 1992, pp. 399-404. OCS Study MMS 94-0040. Minerals Management Service. Anchorage, Alaska. Cited in Reanier, 2002.
- Gangloff, R.A. 1997. Paleontological Resources of the NPR-A Planning Area: An Overview. In NPR-A Symposium Proceedings: Science, Traditional Knowledge, and the Resources of the Northeast Planning Area of the National Petroleum Reserve-Alaska, pp. 2-7 – 2-8. Sponsored by the Bureau of Land Management and Mineral Management Service, Anchorage, Alaska, April 16-18, 1997. OCS Study MMS 97-0013, June 1997. Anchorage, Alaska. Cited in Reanier, 2002.
- Gangloff, R. 1998. Paleontological and Archaeological Research in the Eastern Third of the National Petroleum Reserve-Alaska, A Call for Symbiosis. Proceedings of the Partners Preserving Our Past, Planning Our Future, Dakotaterra, Vol. 5, October 1998, pp. 79-84.
- Gangloff, R. 2002. Paleontological Permit Report. The Bureau of Land Management, Alaska.
- Garrott, R. A., L.L. Eberhardt, and W.C. Hansen. 1983. Arctic Fox Den Identification and Characteristics in Northern Alaska. Canadian Journal of Zoology 61:423-426.
- Gavin, A. 1983. Spring and Summer Caribou Movements, Prudhoe Bay, 1969-1979. Report to Atlantic Richfield Co., Los Angeles, CA. 50 pp.
- George, C. (North Slope Borough Department of Wildlife Management). 2001. Personal communication.
- George, J.C., and B.P. Nageak. 1986. Observations on the Colville River Subsistence Fishery at Nuiqsut, Alaska. Report by the Department of Wildlife Management, North Slope Borough, Barrow, Alaska.
- George, J.C., J. Zeh, R. Suydam, and C. Clark. 2002. Population Size of the Bering-Chukchi-Beaufort Seas Stock of Bowhead Whales, *Balaena mysticetus*, Based on the 2001 Census off Point Barrow, Alaska. Report SC/54/BRG5 presented to the Scientific Committee of the International Whaling Commission.
- Gerhart, K.L., R.G. White, R.D. Cameron, and D.E. Russell. 1996. Body Composition and Nutrient Reserves of Arctic Caribou. Canadian Journal of Zoology 74:136-146.
- Gerlach, C., and E. Hall. 1988. The Later Prehistory of Northern Alaska: The View from Tukuto Lake. pp. 107-135. In: The Late Prehistoric Development of Alaska's Native People, R.D. Shaw, R.K. Harritt, and D.E. Dumond, eds. Aurora No. IV. Alaska Anthropological Association. Anchorage, Alaska.
- Giddings, J.L. 1964. The Archaeology of Cape Denbigh. Brown University Press. Providence, Rhode Island.

- Giddings, J.L. and D.D Anderson. 1986. Beach Ridge Archaeology of Cape Krusenstern: Eskimo and Pre-Eskimo Settlements Around Kotzebue Sound, Alaska. Publications in Archaeology 20. National Park Service. Washington, D.C.
- Gilders, M.A., and M.A. Cronin. 2000. North Slope Oil field Development. In: The Natural History of an Arctic Oil Field, J.C. Truett and S.R. Johnson, eds. San Diego, CA: Academic Press, pp. 15-32.
- Glaeser, Lt. (jg) J.L., and Lt. Comdr. G. Vance. 1971. A Study of the Behavior of Oilspills in the Arctic. Report AD 717 142. Washington, DC: U.S. Coast Guard.
- Glass, D., C. Whitmus, and M. Prewitt. 1990. Fish Distribution and Abundance. In: Endicott Environmental Monitoring Program Final Reports, 1986. Part IV, Chapter 1, Volume 5. Report by Envirosphere Company for U.S. Army Corps of Engineers, Alaska District, Anchorage, Alaska, 154 pp.
- Gloersen, P., C. L. Parkinson, D. J. Cavalieri, J. C. Comiso, and H. J. Zwally, 1999: Spatial distribution of trends and seasonality in the hemispheric sea ice covers: 1978–1996. *J. Geophys. Res.*, 104 (C9), 20 827–20 835.
- Goldsmith, Scott. 2001. Economic Projections for Alaska and the Southern Railbelt 2000-2025, Institute of Social and Economic Research, University of Alaska Anchorage, October 3.
- Gollop, M.A., and R.A. Davis. 1974. Gas Compressor Noise Simulator Disturbance to Snow Geese, Konakuk Beach, Yukon Territory, September 1972. In: Arctic Bas Biological Report Series No. 14.
- Gollop, M.A., J.R. Goldberry, and R.A. Davis. 1974a. Aircraft Disturbance to Moulting Sea Ducks, Herschel Island, Yukon Territory, August, 1972. In: Arctic Gas Biological Report Series No. 14.
- Gollop, M.A., J.E. Black, B.E. Felske, and R.A. Davis. 1974b. Disturbance Studies of Breeding Black Brant, Common Eiders, Glaucous Gulls and Arctic Terns at Nunak Spit and Philips Bay, Yukon Territory, July, 1972. In: Arctic Gas Biological Report Series No. 14.
- Gorbics, C.S., J.L. Garlich-Miller, and S.L. Schliebe. 1998. Draft Alaska Marine Mammal Stock Assessments 1998, Sea Otters, Polar Bear, and Walrus. Anchorage, AK: USFWS, 45 pp.
- Götmark, F. 1992. The Effect of Investigator Disturbance on Nesting Birds. *Current Ornithology* 9: 63-104.
- Gouldie, R.I., G.J. Robertson, and A. Reed. 2000. Common Eider (*Somateria mollissima*). In: The Birds of North America, No. 546. A. Poole and F. Gill, eds. Philadelphia, PA: The Birds of North America, Inc.
- Grand, J.B., P.L. Flint, M.R. Petersen, and C.L. Moran. 1998. Effect of Lead Poisoning on Spectacled Eider Survival Rates. *Journal of Wildlife Management* 62(3):1103-1109.
- Griffith, B., D.C. Douglas, N.E. Walsh, D.D. Young, TR. McCabe, D.E. Russell, R.G. White, R.D. Cameron, and K.R. Whitten. 2002. The Porcupine Caribou Herd. In: Arctic Refuge Coastal Plain Terrestrial Wildlife Research Summaries. D.C. Douglas, P.E. Reynolds, and E.B. Rhode, eds. U.S. Geological Survey, Biological Resources Division, Biological Science Report USGS/BRD/BSR-2002-0001, pp. 8-37
- Griffiths, W.B., and B.J. Gallaway. 1982. Prudhoe Bay Waterflood Fish Monitoring Program 1981. Report by LGL Alaska Research Associates, Inc. for U.S. Army Corps of Engineers, Alaska District, Anchorage, Alaska. 143 pp.
- Griffiths, W.B., D.R. Schmidt, R.G. Fechhelm, B.J. Gallaway, R.E. Dillinger, Jr., W. Gazey, W.H. Neill, and J.S. Baker. 1983. Fish Ecology. Vol. 3. In: Environmental Summer Studies (1982) for the Endicott Development. B.J. Gallaway and R. Britch, eds. Report by LGL Alaska Research Associates, Inc., and Northern Technical Services for BP Exploration (Alaska) Inc., Anchorage, Alaska. 342 pp.
- Griffiths, W.B., B.J. Gallaway, W.G. Gazey, and R.E. Dillinger, Jr. 1992. Growth and Condition of Arctic Cisco and Broad Whitefish as Indicators of Causeway-Induced Effects in the Prudhoe Bay Region, Alaska. *Transactions of the American Fisheries Society* 121:557-577.

- Griffiths, W.B., R.G. Fechhelm, L.R. Martin, W.J. Wilson, and J.M. Colonell. 1995. The 1994 Endicott Development Fish Monitoring Program. Vol. I: Fish and Hydrography Data Report. Report by LGL Alaska Research Associates, Inc. for BP Exploration (Alaska) Inc., Anchorage, Alaska. 192 pp.
- Griffiths, W.B., R.G. Fechhelm, L.R. Martin, and W.J. Wilson. 1996. The 1995 Endicott Development Fish Monitoring Program. Vol. I: Fish and Hydrography Data Report. Report by LGL Alaska Research Associates, Inc. for BP Exploration (Alaska) Inc., Anchorage, Alaska. 180 pp.
- Griffiths, W.B., R.G. Fechhelm, L.R. Martin, and W.J. Wilson. 1997. The 1996 Endicott Development Fish Monitoring Program. Vol. I: Fish and Hydrography Data Report. Report by LGL Alaska Research Associates, Inc. for BP Exploration (Alaska) Inc., Anchorage, Alaska. 193 pp.
- Griffiths, W.B., L.R. Martin, S.P. Haskell, W. J. Wilson, and R.G. Fechhelm. 2002a. The 2001 Point Thomson Fish Study. Report to Exxon Owners Group administered by BP Exploration (Alaska) Inc, Anchorage, Alaska. 55 pp. + Append.
- Griffiths, W.B., D.H. Thomson, M.S.W. Bradstreet. 2002b. Zooplankton and Water Masses at Bowhead Whale Feeding Locations in the Eastern Beaufort Sea. pp. 6-1 to 6-44. In: Bowhead Whale Feeding in the Eastern Alaskan Beaufort Sea; Update of Scientific and Traditional Information, vol. 1, W.J. Richardson and D.H. Thomson, eds. OCS Study MMS 2002-012: LGL Rep. TA2196-7. Rep. from LGL Ltd., King City, Ont., for U.S. Minerals Management Service, Anchorage, AK, and Herndon, VA.
- Gyrc, G. 1985a. The National Petroleum Reserve in Alaska, Earth Science Considerations. U.S. Geological Survey Professional Paper 1240-C. 94 pp.
- Gyrc, G. 1985b. ed. Geology and Exploration of the National Petroleum Reserve in Alaska, 1974-1982. U.S. Geological Survey Professional Paper 1399. U.S Government Printing Office, Washington, D.C.
- Haag, R.W., and L.C. Bliss. 1974. Energy Budget Changes Following Surface Disturbance to Upland Tundra. *Journal of Applied Ecology* 11:355-374.
- Haley, Sharman. 2004. Local Control and Impacts of Oil and Gas Development: Nuiqsut Case Study, prepared for the Western Regional Science Association 43<sup>rd</sup> Annual Meeting (preliminary review draft) May 2004.
- Hall, E.S., Jr. 1981. Cultural Resource Site Potential. In: Cultural Resources in the Mid-Beaufort Sea Region: A Report for the North Slope Borough's Coastal Zone Management Plan.
- Hall, E.S., S.C. Gerlach, and M.B. Blackman. 1985. In the National Interest: A Geographically Based Study of Anaktuvuk Pass Inupiat Subsistence Through Time. 2 Volumes. Barrow, AK: North Slope Borough.
- Hamilton, C.I., S.J. Starr, and L.L. Trasky. 1979. Recommendations for Minimizing the Impacts of Hydrocarbon Development on the Fish, Wildlife, and Aquatic Plant Resources of Lower Cook Inlet. Vols. I and II. Anchorage, AK: State of Alaska, Department of Fish and Game, Marine and Coastal Habitat Management, 420 pp.
- Hampton, P.D., L.C. Orr, and L. Byrne. 1988. An Evaluation of the Effects of Noise on Waterfowl in the Vicinity of CPF-3, Kuparuk Field, Alaska, Volume I, 1985-1986. Prepared by Environmental Science and Engineering, Inc., for ARCO Alaska Inc., Anchorage, AK.
- Hanley, P.T., J.E. Hemming, J.W. Morsell, A. Morehouse, L.E. Leask, and G.S. Harrison. 1981. Natural resource protection and petroleum development in Alaska. U.S. Fish and Wildlife Service Report FWS/OBS-80/22.
- Hanna, S.R., and P.J. Drivas. 1993. Modeling VOC Emissions and Air Concentrations from the Exxon Valdez Oil Spill. *Journal of the Air & Waste Management Association* 43:298-309.
- Harcharek, R.C. 1992. North Slope Borough 1992 Economic Profile, Vol. VI. Barrow, AK: North Slope Borough, Department of Planning and Community Services.

- Harcharek, R.C. 1995. North Slope Borough 1993/94 Economic Profile and Census Report. Vol. VII. Barrow, AK: North Slope Borough, Dept. of Planning and Community Services.
- Harding, L.E., and J.A. Nagy. 1980. Responses of Grizzly Bears to Hydrocarbon Exploration on Richards Island, Northwest Territories, Canada. In: Fourth International Conference Bears Resource and Management. Bears: Their Biology and Management 4. pp. 277-80.
- Harritt, R.K. 1994. Eskimo Prehistory on the Seward Peninsula, Alaska. Resources Report NPS/ARORCR/CRR-93/21. National Park Service. Anchorage, Alaska.
- Hart Crowser, Inc. 2000. Estimation of Oil Spill Risk from Alaska North Slope, Trans-Alaska Pipeline, and Arctic Canda Oil Spill Data Sets. OCS Study Publication No. MMS 2000-07. Prepared for MMS, Anchorage AK. 149 pp.
- Harting, A.L. 1987. Road, Highway, Aircraft and Garbage Impacts. pp. 69-74. In: Grizzly Bear Compendium, Sponsored by the Interagency Grizzly Bear Committee, M.N. LeFranc, M.B. Moss, K.A. Patnode, and W.C. Sugg, eds. In: Trans-Alaska Pipeline System Owners. 2001a. Environmental Report for Trans-Alaska Pipeline System Right-of-Way Renewal.
- Harwood, C. and T. Moran. 1993. Productivity, Brood Survival, and Mortality Factors for Spectacled Eiders on Kigigak Island, Yukon Delta NWR, Alaska, 1992. Unpublished Report. Bethel AK: USDOI, FWS.
- Haskell, S. P. 2003. Calving Caribou in the Northern Oilfields of Alaska. M.S. thesis. Lubbock, Texas: Texas Tech University.
- Haskell, S. 2003. Pers. comm. Unpublished data collected by S. Haskell, LGL, during caribou road crossing surveys, June 2001.
- Hawkins, L.L. 1986. Nesting Behavior of Male and Female Whistling Swans and Implications of Male Incubation. *Wildfowl* 37:5-27.
- Haynes, T. and S. Pedersen. 1989. Development and Subsistence: Life after Oil. *Alaska Fish and Game* 21(6):24-27.
- Hazard, K. 1988. Beluga Whale *Delphinapterus leucas*. In: Selected Marine Mammals of Alaska: Species Accounts with Research and Management Recommendations, J. W. Lentfer, ed. Washington, D.C.: MMC, pp. 195-217.
- Helmericks, J.W. 1996. Personal Communication of September 15, 1995, and January 2, 1996. Cited in PAI. 2002a. Colville River Unit Satellite Development Environmental Evaluation Document. Revised June 2002.
- Helmericks, J.W. 2003a. Personal communication with S.R. Johnson, LGL Limited. 11 June.
- Helmericks, J.W. 2003b. Personal communication with LGL Limited. 16 June.
- Helmericks, J.W. 2004. Personal communication with L.E. Noel, Entrix, Inc. 23 April.
- Helmericks, J.W. 2004. Alpine Satellite Development Plan – DEIS for ConocoPhillips Alaska, Inc. 2004. Comment letter received 4 March.
- Helmericks, T. 2001. Personal communication. 17 July.
- Helmericks, T. 2004. Personal communication. Observations on the presence of moose near their home on the Colville River on 17 July 2001.
- Hemming, C.R. 1998. Aquatic habitat evaluation of flooded North Slope gravel mine sites (1986-1987). Technical Report No. 88-1 of the Alaska Department of Fish and Game. 69 pp.
- Hemming, C.R. 1990. Fisheries investigations of flooded North Slope gravel mine sites, 1989. Technical Report 90-2 of the Alaska Department of Fish and Game. 38 pp.

- Hemming, C.R. 1992. Fish and habitat investigations of flooded North Slope gravel mine sites, 1990. Technical Report 91-3 of the Alaska Department of Fish and Game. 44 pp.
- Hemming, C.R. 1993. Tundra stream fish habitat investigations in the North Slope oilfields. Technical Report 93-1 of the Alaska Department of Fish and Game. 64 pp.
- Hemming, C.R. 1994. Fisheries enhancement investigations in the Kuparuk River oilfield, 1992. Technical Report 94-4 of the Alaska Department of Fish and Game. 49 pp.
- Hemming, C.R. 1995. Fisheries Enhancement Investigations in the Kuparuk River Oilfield, 1992. Alaska Department of Fish and Game Technical Report 94-4, Habitat and Restoration Division, Fairbanks, Alaska, 47 pp.
- Hemming, C.R., P.K. Weber, and J.F. Winters. 1989. Limnological and fisheries investigations of flooded North Slope gravel mines, 1988. Technical Report 89-1 of the Alaska Department of Fish and Game. 60 pp.
- Henry, W.K. 1965. The Ice Jam Floods of the Yukon River. *Weatherwise*, vol. 18, no. 2, p 81-85.
- Hepa, R., H.K. Brower Jr., and D. Bates. 1997. North Slope Borough Subsistence Harvest Documentation Project: Data for Atkasuk, Alaska for the Period July 1, 1994, to June 30, 1995. North Slope Borough, Department of Wildlife Management, Barrow, AK.
- Hettinger, L.R. 1992. Prudhoe Bay Waterflood Project Environmental Monitoring Program 1987 West Road Tundra Vegetation. Appendix III in U.S. Army Corps of Engineers. Prudhoe Bay Water Flood Project Environmental Monitoring Program 1987.
- Hicks, M. V., ed. 1999. Muskox. Management Report of Survey-Inventory Activities. Federal Aid in Wildlife Restoration Grants W-24-5 and W-27-1. Alaska Department of Fish and Game, Juneau, Alaska. 43 pp.
- Hobbie, J.E. 1982. Effects of Oil on Tundra Ponds and Streams. Final Report for Period Oct. 1, 1978, to Sept. 30, 1980. DOE/EV/02989-2. Washington, DC: U.S. Department of Energy, Energy Research and Development Administration, 11 pp.
- Hobbie, J.E. 1984. The Ecology of Tundra Ponds of the Arctic Coastal Plain. In: Community Profile. Report FWS/OBS-83/25. Washington, DC: U.S. Fish and Wildlife Service, 52 pp.
- Hoffman, D., D. Libbey, and G. Spearman. 1988. Nuiqsut: Land Use Values Over Time in the Nuiqsut Area. North Slope Borough and the Anthropology and Historic Preservation Section of the Cooperative Park Studies Unit Occasional Paper No. 12. University of Alaska. Fairbanks, Alaska.
- Holmes, W.N. 1985. Petroleum Pollutants in the Marine Environment and Some of their Possible Effects on Hormonal Regulation in Marine Birds. In: *The Endocrine System and the Environment*, B.K. Follett, S. Ishii, and A. Chandola, eds. Berlin: Springer-Verlag, pp. 201-211.
- Hom et al. 1999. Measuring the Exposure of Subsistence Fish and Marine Mammal Species to Aromatic Compounds following the Exxon Valdez Oil Spill. Cited In: *Evaluating and Communicating Subsistence Seafood Safety in a Cross-Cultural Context*. L.J. Field, T.S. Nighswander, N. Peacock, U. Varanasi, and J.A. Fall, eds. Pensacola, FL: SETAC Press.
- Hone, E. 1934. The present Status of the Muskox in Arctic North America and Greenland. American Committee for International Wildlife Protection, Publication No. 5.
- Hsu, D.P., C.W. Davis, D.C. Linck, K.M. Schoenberg, and H.M. Shields. 1979. Studies of Cultural (Archaeological) Resources 1977-1978 (Part 1: 1977, Part 2: 1978). National Petroleum Reserve in Alaska Work Group 4, Field Study 4. U.S. Department of the Interior, National Petroleum Reserve in Alaska, 105(c) Land Use Study. Anchorage, Alaska.
- Hultén, E. 1968. *Flora of Alaska and Neighboring Territories, A Manual of the Vascular Plants*. California: Stanford University Press. 1008 pp.

- HRAF (Human Relations Area Files). 1992. Social Indicators Study of Alaskan Coastal Villages – Key Informant Summaries. Volume 1: Schedule A Regions (North Slope, NANA, Calista, Aleutian-Pribilof). Technical Report No. 151. OCS Study, MMS 92-0031. DOI, MMS, Alaska OCS Region, Social and Economic Studies Program, Anchorage, AK.
- IAI (Impact Assessment, Inc.). 1990a. Subsistence Resource Harvest Patterns: Nuiqsut. Special Report No. 8. Submitted to U.S. Department of the Interior, Minerals Management Service, Alaska OCS Region, Anchorage, Alaska.
- IAI. 1990b. Northern Institutional Profile Analysis: Chukchi Sea. OCS Study, MMS 90-0022. Technical Report 141. Anchorage, AK: MMS, Alaska OCS Region, 750 pp.
- IAI. 1990c. Northern Institutional Profile Analysis: Beaufort Sea. OCS Study, MMS 90-0023. Technical Report 142. Anchorage, AK: MMS, Alaska OCS Region, 670 pp.
- IAI. 1990d. Subsistence Resource Harvest Patterns: Kaktovik. Prepared by M. Galginaitis. John S. Petterson principal investigator and project manager. U.S. Department of the Interior, Bureau of Land Management, Alaska Outer Continental Shelf Office, Alaska OCS Socioeconomic Studies Program Special Report No. 9. (MMS 90-0039)
- IAI. 1998. Exxon Valdez Oil Spill, Cleanup and Litigation: A Collection of Social-Impacts Information and Analysis. Final report. Anchorage, AK: USDO, MMS, Alaska OCS Region.
- IAI. 2001. Exxon Valdez Oil Spill, Cleanup and Litigation: A Collection of Social-Impacts Information and Analysis. MMS 2001-058. Final report. Anchorage, AK: USDO, MMS, Alaska OCS Region.
- ISER (Institute of Social and Economic Research). 1983. A Description of the Socioeconomics of the North Slope Borough. Prepared by John A. Kruse, Michael Baring-Gould, William Schneider, Joseph Gross, Gunnar Knapp, and George Sherrod. Submitted to U.S. Department of the Interior, Minerals Management Service, Alaska OCS Region,, Technical Report No. 85 and 85A. Anchorage, Alaska.
- Irving, L.. 1960. Birds of Anaktuvuk Pass, Kobuk, and Old Crow: A Study in Arctic Adaptation. U.S. National Museum Bulletin No. 217.
- Ito-Adler, J.P., and E.S. Hall, Jr. 1986. The Ones That are Dead, I Can Call Their Names: Cultural Resource Sites Documented by the Beaufort Sea Coastal Survey. Technical Memorandum #23. Edwin Hall and Associates. Brockport, New York.
- Itta, Noah. 2001. Translated Testimony, Public Hearing, Official Transcript – Public Hearing, Draft Environmental Impact Statement for Liberty Development and Production Plan, Monday, March 19, 2001. Executory Court Reporting, Anchorage, AK.
- Jakimchuk, R. D., S. H. Ferguson, and L. G. Sopuck. 1987. Differential Habitat Use and Sexual Segregation in the Central Arctic Caribou Herd. *Canadian Journal of Zoology* 65:534–541.
- Jarrel, G.H., S.O. MacDonald, and J.A. Cook. 2001. Checklist to the Mammals of Alaska. University of Alaska. [Online] Available [http://www.uaf.edu/museum/mammal/AK\\_Mammals/Checklist.html#insectivora](http://www.uaf.edu/museum/mammal/AK_Mammals/Checklist.html#insectivora). September 18, 2003.
- Jefferies, R.L. 1977. The Vegetation of Salt Marshes at Some Coastal Sites in Arctic North America. *J. Ecol.* 65:661-672.
- Jensen, P.G., and L.E. Noel. 2002. Caribou Distribution in the Northeast National Petroleum Reserve-Alaska, Summer 2001. Chapter 3 In: Arctic Coastal Plain Caribou Distribution, Summer 2001, M.A. Cronin, ed. Unpublished report for BP Exploration (Alaska) Inc., by LGL Alaska Research Associates, Inc., Anchorage, Alaska.
- Jingfors, K.T., and D.R. Klein. 1982. Productivity in Recently Established Muskox Populations in Alaska. *Journal of Wildlife Management* 46:1092-1096.
- Jingfors, K., and P. Lassen. DATE. Muskox Response to a Seismic Test Operation: Preliminary Observations. Biological Paper, University of Alaska Special Report No. 4:127.

- Johnson, B.B., M.T. Jorgenson, R.M. Burgess, B.E. Lawhead, J.R. Rose, and A.A. Stickney. 1996. Wildlife Studies on the Colville River Delta, Alaska, 1996. Fourth Annual Report for ARCO Alaska, Inc., by ABR, Inc., Fairbanks, Alaska.
- Johnson, C.B. 2003. Personal communication on revisions to table based on recent field data. August 22.
- Johnson, C.B., and B.E. Lawhead. 1989. Distribution, Movements, and Behavior of Caribou in the Kuparuk Oilfield, Summer 1988. Report for ARCO Alaska, Inc., Anchorage, by Alaska Biological Research, Inc., Fairbanks, Alaska.
- Johnson, C.B., and A.A. Stickney. 2001. Avian Surveys of Exploration Sites in the National Petroleum Reserve-Alaska, 2001. Report prepared for Phillips Alaska, Inc., Anchorage, Alaska, by ABR Inc., Fairbanks, Alaska. 16 pp.
- Johnson, C.B., B.E. Lawhead, J.R. Rose, A.A. Stickney, and A.M. Wildman. 1997. Wildlife Studies on the Colville River Delta, Alaska, 1996. Fifth Annual Report, prepared for ARCO Alaska, Inc., and Kuukpik Unit Owners, Anchorage, AK by ABR, Inc., Fairbanks, AK.
- Johnson, C.B., B.E. Lawhead, J.R. Rose, M.D. Smith, A.A. Stickney, and A.M. Wildman. 1998. Wildlife Studies on the Colville River Delta, Alaska, 1997. Report for ARCO Alaska, Inc., by ABR, Inc., Fairbanks, Alaska.
- Johnson, C.B., B.E. Lawhead, J.R. Rose, M.D. Smith, A.A. Stickney and A.M. Wildman. 1999. Wildlife Studies of the Colville River Delta, Alaska, 1998. Seventh Annual Report, prepared for ARCO Alaska, Inc., and Kuukpik Unit Owners, Anchorage, AK, by ABR, Inc. Fairbanks, AK.
- Johnson, C.B., B.E. Lawhead, J.R. Rose, J.E. Roth, S.F. Schlentner, A.A. Stickney, and A.M. Wildman. 2000a. Alpine Avian Monitoring Program, 1999. Second Annual Report for Phillips Alaska, Inc., and Anadarko Petroleum Corporation, Anchorage, Alaska, by ABR, Inc., Fairbanks, Alaska, 86 pp.
- Johnson, C.B., R.M. Burgess, B.E. Lawhead, J.R. Rose, A.A. Stickney, and A.M. Wildman. 2000b. Wildlife Studies in the Colville Delta North Study Area, 2000. Report for Phillips Alaska, Inc., Anchorage, Alaska, by ABR, Inc., Fairbanks, Alaska.
- Johnson, C.B., B.E. Lawhead, D.C. Payer, J.L. Petersen, J.R. Rose, A.A. Stickney, and A.M. Wildman. 2001. Alpine Avian Monitoring Program, 2000. Third Annual Report for Phillips Alaska, Inc., and Kuukpik Unit Owners, Anchorage, Alaska, by ABR, Inc., Fairbanks, Alaska, 92 pp.
- Johnson, C.B., R.M. Burgess, B.E. Lawhead, J.R. Rose, A.A. Stickney, and A.M. Wildman. 2002. Wildlife Studies in the CD North Study Area, 2001. Report for Phillips Alaska, Inc., Anchorage, AK, by ABR, Inc., Fairbanks, AK. 101 pp.
- Johnson, C.B., R.M. Burgess, B.E. Lawhead, J.A. Neville, J.P. Parrett, A.K. Prichard, J.R. Rose, A.A. Stickney, and A.M. Wildman. 2003a. Alpine Avian Monitoring Program, 2001. Fourth Annual and synthesis report by ABR Inc.—Environmental Research & Services. Prepared for ConocoPhillips Alaska, Inc., Anchorage, Alaska, and Anadarko Petroleum Corporation, 194 pp.
- Johnson, C.B., R.M. Burgess, B.E. Lawhead, J.P. Parrett, J.R. Rose, A.A. Stickney, and A.M. Wildman. 2003b. Wildlife Studies in the CD North Study Area, 2002. Third annual report by ABR Inc.—Environmental Research & Services. Prepared for ConocoPhillips Alaska, Inc., Anchorage, Alaska, 104 pp.
- Johnson, C.B., R. M. Burgess, B.E. Lawhead, J. P. Parrett, J.R. Rose, A.A. Stickney, and A.M. Wildman. 2003c. Wildlife Studies in the CD North Study Area, 2002. Final report for ConocoPhillips Alaska Inc., Anchorage by ABR, Inc. – Environmental Research & Services, Fairbanks.
- Johnson, C.B., R.M. Burgess, A.M. Wildman, A.A. Stickney, P.E. Seiser, B.E. Lawhead, T.J. Mabee, J.R. Rose, and J.E. Shook. 2004. Wildlife Studies for the Alpine Satellite Development Project, 2003. Final report for ConocoPhillips Alaska Inc., anchorage, by ABR, Inc. – Environmental Research & Services, Fairbanks.

- Johnson, S.R. 1998. Distribution and Movements of Brood-Rearing Lesser Snow Geese in Relation to Petroleum Development in Arctic Alaska. *Arctic* 51:336-344.
- Johnson, S.R. 2000a. Lesser Snow Goose, pp. 233-257. In: *The Natural History of an Arctic Oil Field: Development and the Biota*. J.C. Truett and S.R. Johnson, eds. San Diego, California: Academic Press.
- Johnson, S.R. 2000b. Pacific Eider. In: *The Natural History of an Arctic Oil Field: Development and the Biota*. J.C. Truett and S.R. Johnson, eds. San Diego, CA: Academic Press. pp. 259-275.
- Johnson, S.R. 2003. Personal communication with Bob Rodrigues, LGL Alaska, 2 July.
- Johnson, S.R., and D.H. Herter. 1989. *The Birds of the Beaufort Sea*. Anchorage, Alaska: BP Exploration (Alaska) Inc.
- Johnson, S.R., D.R. Herter, and M.S.W. Bradstreet. 1987. Habitat Use and Reproductive Success of Pacific Eiders *Somateria mollissima v-nigra* During a Period of Industrial Activity. *Biological Conservation* 41:77-90.
- Johnson, S.R. and W.J. Richardson. 1981. Beaufort Sea Barrier Island-Lagoon Ecological Process Studies: Final Report, Simpson Lagoon. OCSEAP Final Report (1980) Vol. 7 (1981). Boulder, CO and Anchorage, AK: USDOC, NOAA, OCSEAP and USDOI, BLM. pp. 109-383.
- Joint Pipeline Office Website (JPO). 2003. [Online] Available <http://www.jpo.doi.gov>.
- Jones, R. 1965. Returns from Steller's Eiders Banded in Izembek Bay, Alaska. *Wildfowl Trust Annual Report* 16:83-85.
- Jorgenson, M.T. 1997. Patterns and rates of, and factors affecting, natural recovery on land disturbed by oil development in arctic Alaska. Pages 421-442 in Crawford, R.M.M., ed., *Disturbance and Recovery in Arctic Lands: an ecological perspective*. Kluwer Academic Publishers, Boston, MA. 621 p.
- Jorgenson, J.C. 2000. Long-Term Monitoring of Recovery of Trails from Winter Seismic Exploration. *Arctic Research of the United States* 14:32-33.
- Jorgenson, J.C., B.E. Reitz, and M.K. Reynolds. 1996. *Tundra Disturbance and Recovery Nine Years After Winter Seismic Exploration in Northern Alaska*. Unpublished report, USFWS, Fairbanks, AK.
- Jorgenson, J.C., and P. Martin. 1997. Effects of Winter Seismic Exploration on Tundra Vegetation and Soils. In: *NPR-A Symposium: Science, Traditional Resources, and the Resources of the Northeastern Planning Area of the National Petroleum Reserve in Alaska*, Anchorage, AK, Apr. 16-18, 1997. OCS Study, MMS 97-0013. Anchorage, AK: BLM and MMS, 99 pp. plus attachments.
- Jorgenson, M.T., and M.R. Joyce. 1994. Six Strategies for Rehabilitating Land Disturbed by Oil Development in Arctic Alaska. *Arctic* 47(4):374-391.
- Jorgenson, M.T., and E. R. Pullman. 2002. *Geomorphology of the Northeast Planning Area of the National Petroleum Reserve-Alaska, 2001*. First Annual Report by ABR, Inc. Prepared for Phillips Alaska, Inc., Fairbanks, Alaska. 51 pp.
- Jorgenson, M.T., T.T. Heffernan, and B.K. Lance. 1990. *Land Rehabilitation Studies in the Kuparuk Oilfield, Alaska, 1989*. Alaska Biological Research, Inc., for ARCO Alaska, Inc., Anchorage.
- Jorgenson, M.T., J.G. Kidd, and T.C. Carter. 1991. *Rehabilitation of a Thick Gravel Pad Using Snow Capture and Topsoil Addition, Drill Site 13, Prudhoe Bay Oilfield, Alaska 1990*. Alaska Biological Research, Inc. for ARCO Alaska, Inc. and Kuparuk River Unit, Anchorage.
- Jorgenson, M.T., J.G. Kidd, L.L. Jacobs, and T.C. Carter. 1993. *Ecological Restoration of North Prudhoe Bay State No. 2 Exploratory Well Site, Prudhoe Bay, Alaska, 1992*. Final report, Alaska Biological Research, Inc., Fairbanks, for ARCO Alaska, Inc., Anchorage.

- Jorgenson, M.T., J.W. Aldrich, J.G. Kidd, and M.D. Smith. 1993. Geomorphology and hydrology of the Colville River Delta, Alaska, 1992. Unpublished annual report by Alaska Biological Research, Inc., and Arctic Hydrologic Consultants to ARCO Alaska, Inc., Anchorage. 79 pp.
- Jorgenson, M.T., J.W. Aldrich, S.R. Ray, E.R. Pullman, Y. Shur, M.D. Smith, A.A. Stickney, and H.J. Walker. 1996. Geomorphology and Hydrology of the Colville River Delta, Alaska, 1995. Volumes 1 and 2. Unpublished Fourth Annual Report by ABR, Inc., Shannon and Wilson, Inc., and Louisiana State University prepared for ARCO Alaska Inc., and Kuukpik Unit Owners, Anchorage. 136 pp. + appendices.
- Jorgenson, T.M., J.E. Roth, T.C. Carter, S.F. Schlentner, M. Emers, and J.S. Mitchell. 2003a. Ecological Impacts Associated with Seismic Exploration on the Central Arctic Coastal Plain, 2002. Report by ABR, Inc.—Environmental Research & Services, Prepared for ConocoPhillips Alaska, Inc., Anchorage, Alaska. 70 pp.
- Jorgenson, T.M., J.E. Roth, M. Emers, T.C. Carter, S.F. Schlentner, and J.S. Mitchell. 2003b. Assessment of Impacts Associated with a Rolligon Trail in Northeastern National Petroleum Reserve—Alaska, 2002. Final Report by ABR, Inc.—Environmental Research & Services, Prepared for ConocoPhillips Alaska, Inc., Anchorage, Alaska. 38 pp.
- Jorgenson, T.M., J.E. Roth, E.R. Pullman, R.M. Burgess, M.K. Reynolds, A.A. Stickney, M.D. Smith, and T.M. Zimmer. 1997. An Ecological Land Survey for the Colville River Delta, Alaska, 1996. Final Report by ABR, Inc., Prepared for ARCO Alaska, Inc. and Kuukpik Unit Owners, Anchorage, Alaska, 160pp.
- Jorgenson, T.M., J.E. Roth, M. Emers, S.F. Schlentner, D.K. Swanson, E.R. Pullman, J.S. Mitchell, and A.A. Stickney. 2003c. An Ecological Land Survey in the Northeast Planning Area of the National Petroleum Reserve-Alaska, 2002. Final Report by ABR, Inc. – Environmental Research & Services, prepared for ConocoPhillips Alaska, Inc. and Anadarko Petroleum Corporation, Anchorage, AK, 128 pp.
- Kaigelak, Bernice. 1998. Public Hearings for the Northeast NPR-A Integrated Activity Plan/Environmental Impact Statement, Nuiqsut, Alaska, Jan. 13, 1998. U.S. Department of the Interior, Bureau of Land Management. Anchorage, Alaska.
- Kalxdorff, S.B. 1997. Collection of Local Knowledge Regarding Polar Bear Habitat Use in Alaska. FWS Technical Report MMM 97-2. Anchorage, AK: USFWS, Marine Mammals Management, 55 pp.
- Kalxdorff, S., and K. Proffitt. 2003. Demography and Behavior of Polar Bears Feeding on Stranded Mammal Carcasses. In: Presentation Summaries of the U.S. Department of the Interior Minerals Management Service Information Transfer Meeting, March 10, 11, and 12, 2003, Anchorage AK.
- Kaplan. 1996. Personal communication.
- Keevil, B.E., and R. Ramseier. 1975. Behavior of Oil Spilled Under Floating Ice. 1975 Conference on Prevention and Control of Oil Pollution, 1975. American Petroleum Institute, pp 497-501.
- Keller, V.E. 1991. Effects of Human Disturbance on Eider Ducklings *Somateria mollissima* in an Estuarine Habitat in Scotland. *Biological Conservation* 58:213-228
- Kelleyhouse, R.A. 2001. Calving Ground Habitat Selection: Teshekpuk Lake and Western Arctic Caribou Herds. M.S. Thesis, University of Alaska, Fairbanks. 124 pp.
- Kelly, B.P. 1988. Bearded Seal, *Erignathus barbatus*. In: Selected Marine Mammals of Alaska, J.W. Lentfer, ed. Species accounts with research and management recommendations. Washington, D.C.: Marine Mammal Commission,
- Kelly, B.P., L.T. Quakenbush, and B.D. Taras. 2002a. Correction Factor for Ringed Seal Surveys in Northern Alaska. pp. 3-15. In: Annual Report 8, Coastal Marine Institute, University of Alaska Fairbanks. OCS Study MMS 2002-001.
- Kelly, B.P., O.P. Harding, and M. Kunasranta. 2002b. Timing and Re-Interpretation of Ringed Seal Surveys. pp. 3-48. In: Annual Report 8, Coastal Marine Institute, University of Alaska Fairbanks. OCS Study MMS 2002-001.

- Kemnitz, R. 2004. July 20, 2004. E-mail communication from Richard Kemnitz, Bureau of Land Management.
- Kendel, R.E., R. Johnston, U. Lobsiger, and M. Kozak. 1975. Fishes of the Yukon Coast. Department of the Environment, Fisheries and Marine Service, Northern Operations Branch, Beaufort Sea Technical Report 6. 114 pp.
- Kertell, K. 1991. Disappearance of the Steller's Eider from the Yukon-Kuskokwim Delta, Alaska. *Arctic* 44(3):177-187.
- Kertell, K. 1993. Macroinvertebrate Production and Waterbird Use of Natural Ponds and Impoundments in the Prudhoe Bay Oil Field, Alaska. Report prepared for BP Exploration (Alaska) Inc., Anchorage, AK, by LGL Alaska Research Associates, Inc., Anchorage, AK.
- Kertell, K. 1994. Water Quality and Pacific Loon Breeding Biology on Natural Ponds and Impoundments in the Prudhoe Bay Oil Field, Alaska. Report prepared for BP Exploration (Alaska) Inc., Anchorage, AK, by LGL Alaska Research Associates, Inc., Anchorage, AK.
- Kertell, K. 1996. Response of Pacific Loons (*Gavia Pacifica*) to Impoundments at Prudhoe Bay, Alaska. *Arctic* 49(4):356-386.
- Kertell, K. 2000. Pacific Loon. In: *The Natural History of an Arctic Oil Field: Development and the Biota*. J.C. Truett and S.R. Johnson, eds. San Diego, CA: Academic Press. pp. 181-195.
- Kevin Waring Associates. 1989. A demographic and Employment Analysis of Selected Alaska Rural Communities, Vol. II, Northern Communities. OCS Study. MMS 89-0083. Technical Report 137. Anchorage, AK. USDO, MMS, Alaska OCS Region. 133pp.
- Kidd, J.G. and L.J. Rossow. 1998. Land Rehabilitation Studies in the Prudhoe Bay Oilfield, Alaska, 1997. Alaska Biological Research Inc., Fairbanks, for ARCO Alaska, Inc., Anchorage.
- Kidd, Janet G., Bill Streever, Michael R. Joyce and Lloyd H. Fanter. March 2004. "Wetland Restoration of an Exploratory Well on Alaska's North Slope: A Learning Experience," *Ecological Restoration* 22:1 and 22:30-38.
- King, R.J. 1979. Results of Aerial Surveys of Migratory Birds on NPR-A in 1977 and 1978. In: *Studies of Selected Wildlife Habitat and Fish and Their Use of Habitats on and Adjacent to the NPR-A 1977-1978*, P.C. Lent, ed., Vol. 1, Field Study 3, U.S. Department of the Interior. Anchorage, Alaska, pp. 187-226.
- King, R.W. 1994. Without Hope of Immediate Profit: Oil Exploration in Alaska, 18989 to 1953. *Alaska History*, Spring 1994, pp. 19-32.
- Kingsley, M.C.S. 1986. Distribution and Abundance of Seals in the Beaufort Sea, Amundsen Gulf, and Prince Albert Sound, 1984. Environmental Study Revolving Funds Report 25. Department of Fish. & Oceans, Winnipeg, Manitoba, 16 pp.
- Kisil, C.A. 1981. *A Study of Oil and Gas in Fresh and Salt Water-Ice Systems*. Toronto, Ont., Canada: University of Toronto.
- Kistchinski, A. 1973. Waterfowl in North-east Asia. *Wildfowl* 24:88-102.
- Kistchinski, A.A. and V.E. Flint. 1974. On the Biology of the Spectacled Eider. *Wildfowl* 24:5-15.
- Klein D.R. 1991. Caribou in the Changing North. *Applied Animal Behavioral Science* 29:279-291.
- Klein, D.R. 1995. Tundra or Arctic Hares. In: *Our Living Resources*. Washington, D.C.: U.S. Department of the Interior, National Biological Service. p. 359.
- Klein, D.R. 2000. The Muskox. In: *Ecology and Management of Large Mammals in North America*, S. Demarais and P. R. Krausman, eds. Upper Saddle River, New Jersey: Prentice-Hall, Inc., pp. 545-558.

- Klinger, L.F., D.A. Walker, M.D. Walker, and P.J. Weber. 1983a. The Effects of a Gravel Road on Adjacent Tundra Vegetation. Chapter 6. In: Prudhoe Bay Waterflood Project Environmental Monitoring Program, 1982. Anchorage, AK: U.S. Army Corps of Engineers, Alaska District.
- Klinger, L.F., D.A. Walker, M.D. Walker, and P.J. Weber. 1983b. The Effects of Gravel Roads on Alaskan Arctic Coastal Plain Tundra. In: Permafrost Fourth International Conference Proceedings. Washington, DC: National Academy Press, pp. 628-633.
- Kogl, D.R. 1971. Monitoring and Evaluation of Arctic Waters with Emphasis on the North Slope Drainages: Colville River Study. Division of Sport Fish, Alaska Department of Fish and Game. Job No. G-111-A, Project F-9-3, Annual Report 12: 23-61.
- Kogl, D.R., and D. Schell. 1974. Colville River Delta Fisheries Research. pp. 483-504. In: Environmental Studies of the Arctic Estuarine System—Final Report USEPA, Ecological Research Series EPA-660/3-75-026.
- Kohut, R.J., J.A. Laurence, P. King, and R. Raba. 1994. Assessment of the Effects of Air Quality on Arctic Tundra Vegetation at Prudhoe Bay, Alaska. Final report by Boyce Thompson Institute for Plant Research, prepared for Alaska Oil and Gas Association, Anchorage, Alaska, 60 pp.
- Kondratev, A. and Zadorina, L. 1992. Compartivie ecology of the king eider *Somateria spectabilis* and spectacled eider *Somateria fisheri* on the Chaun tundra. Zool. Zhur. 71:99-108 (in Russian; translation by J. Pearce, USGS-BRD, Anchorage, Alaska).
- Koski, W.R., R.A. Davis, G.W. Miller, and D.E. Withrow. 1993. Reproduction, pp. 239-274. In: The Bowhead Whale, J.J. Burns, J.J. Montague, and C.J. Cowles, eds. The Society for Marine Mammalogy. Lawrence, KS.
- Krogman, B., D., R. Rugh, J. Zeh Sonntag, and D. Ko. 1989. Ice-Based Census of Bowhead Whales Migrating Past Point Barrow, Alaska 1978-1983. Marine Mammal Science 5:116-138.
- Kruse, J. 1982. Subsistence and the North Slope Inupiat: The Effects of Energy Development. Monograph No. 4. Anchorage, AK: University of Alaska, Institute of Social and Economic Research.
- Kruse, J.A., M. Baring-Gould, W. Schneider, J. Gross, G. Knapp, and G. Sherrod. 1983. A Description of the Socioeconomics of the North Slope Borough. Technical Report No. 85. Anchorage, AK: USDO, MMS, Alaska OCS Region, Social and Economic Studies Program, 292 pp.
- Kuchler, A.W. and I.S. Zonneveld, eds. 1988. Vegetation Mapping. Handbook of Vegetation Science. Volume 10. Boston, Massachusetts: Kluwer.
- Kunz, M.L. 1977. Mosquito Lake Site (PSM-049). In: Pipeline Archaeology, J.P. Cook, ed. Volume 2, pp. 747-982. University of Alaska, Institute of Arctic Biology, Fairbanks, Alaska.
- Kunz, M.L., and D.H. Mann. n.d. The Mesa Project: Interactions Between Early Prehistoric Humans and Environmental Change in Arctic Alaska. <http://www.ndo.ak.blm.gov/arctic/cultural/MESA.HTM>
- Kunz, M.L., and R.E. Reanier. 1996. The Mesa Site, Iteriak Creek. American Beginnings: The Prehistory and Paleoecology of Beringia, F. West, ed. London: University of Chicago Press.
- Kuopat, P.J. 1984. Foraging Behavior of Caribou on a Calving Ground in Northwestern Alaska. M.S. thesis. Fairbanks, AK: University of Alaska.
- Kuopat, P.J., and J.P. Bryant. 1980. Foraging Patterns of Cow Caribou on the Utukok Calving Grounds in Northwestern Alaska, pp. 64–70. In: Proceedings of the Second International Reindeer/Caribou Symposium, Røros, Norway. E. Reimers, E. Gaare, and S. Skjennneberg, eds. 17–21 September 1979.
- Kuukpik Corporation. 2002. Kuukpik Corporation letter to the U.S. Army Corps of Engineers, March 6, 2002.
- Kuukpik Corporation. 2003. Letter to BLM and ENTRIX, Inc. March 31.

- LaBelle, R.P., and C.M. Marshall. 1995. Application of Oil Spill Simulations to Tanker Routing off the U.S. Coast. In: Proceedings of the 1995 International Oil Spill Conference, Long Beach, CA, Feb. 27, 1995. Baltimore, MD: Port City Press, Inc., pp. 265-273.
- Lacroix, D.L., R.B. Lanctot, J.A. Reed and T.L. McDonald. 2003. Effect of underwater seismic surveys on molting male Long-tailed Ducks in the Beaufort Sea Alaska. *Canadian Journal of Zoology* 81:1862-1875.
- Lachenbruch, A.H. and B.V. Marshall. 1986. Changing climate: geothermal evidence from permafrost in the Alaskan Arctic, *Science*, vol. 234, 689-696
- Lachenbruch, A. H.: 1994, 'Permafrost, the Active Layer, and Changing Climate', United States Geological Survey, Open-File Report 94-694, 43 pp.
- Lachenbruch, A. H., and B. V. Marshall. 1983.
- Lachenbruch, A.H., and B.V. Marshall. 1986. Changing Climate: Geothermal Evidence from Permafrost in the Alaskan Arctic. *Science* 234:689-696.
- Lachenbruch, A.H. J.H. Sass, L.A. Lawver, M.C. Brewer, G.V. Marshall, R.J. Munroe, J.P. Kennelly, Jr., S.P. Galanis, Jr., and T.H. Moses, Jr. . 1982. Temperature and Depth of Permafrost on the Arctic Slope of Alaska. In: *Geology and Exploration of the National Petroleum Reserve in Alaska, 1947 to 1982*. Gyrc, G. ed., U.S. Geological Survey Professional Paper 1399. pp.645-656.
- Lake, R.G., and S.G. Hinch. 1999. Acute effects of suspended sediment angularity on juvenile coho salmon (*Oncorhynchus kisutch*). *Canadian Journal of Fisheries and Aquatic Sciences* 56:862-867.
- Lampe, L. 2002. Proposed Point Thomson Gas Cycling Project, Transcript of Scoping Meeting, Nuiqsut, AK, October 30, 2002. Environmental Protection Agency. Anchorage, Alaska.
- Lampe, L. 2003. Personal communication to G. Morris (ADF&G), March 11.
- Lanctot, R.B., and C.D. Laredo. 1994. Buff-breasted Sandpiper (*Tryngites subruficollis*). In: *The Birds of North America*. A. Poole and F. Gill, eds. Academy of Natural Sciences, Philadelphia, PA, and American Ornithological Union, Washington, D.C. p. 91.
- Lantis, M. 1959. Alaskan Eskimo Cultural Values. *Polar Notes* 1:35-48.
- Larned, W., and G. Balogh. 1997. Eider Breeding Population Survey, Arctic Coastal Plain, Alaska, 1992-1996. Unpublished report, USFWS Migratory Bird Management, Anchorage, AK.
- Larned, W., and T. Tiplady. 1999. Late Winter Population and Distribution of Spectacled Eiders (*Somateria fischeri*) in the Bering Sea 1998. Unpublished report. Anchorage AK: USDO, FWS, 9 pp.
- Larned, W.W., G.R. Balogh, and M.R. Peterson. 1995. Distribution and Abundance of Spectacled Eiders (*Somateria fischeri*) in Ledyard Bay, Alaska, September 1995. Anchorage, AK: USDO, FWS, 11 pp.
- Larned, W.W., W.I. Butler, and G.R. Balogh. 1994. Steller's Eider Spring Migration Surveys Southwest Alaska 1992-93. Unpublished Progress Report. Anchorage AK: USDO, FWS, 52 pp.
- Larned, W., R. Platte, and R. Stehn. 2001a. Eider Breeding Population Survey Arctic Coastal Plain, Alaska 1999-2000. Annual Report. Anchorage AK: USDO, FWS, 20 pp. plus 38 figs.
- Larned, W., T. Tiplady, R. Platte, and R. Stehn. 1999. Eider Breeding Population Survey, Arctic Coastal Plain, Alaska, 1997-1998. USFWS Migratory Bird Management, Waterfowl Management Branch, Soldotna and Anchorage, AK.
- Larned, W., R. Stehn, J. Fischer, and R. Platte. 2001b. Eider Breeding Population Survey, Arctic Coastal Plain, Alaska, 2001. USFWS Migratory Bird Management, Waterfowl Management Branch, Soldotna, Alaska.

- Larned, W.W., R. Stehn, and R. Platte. 2003a. Eider Breeding Population Survey, Arctic Coastal Plain, Alaska, 2002. USFWS Migratory Bird Management, Waterfowl Management Branch, Soldotna and Anchorage, Alaska.
- Larned, W.W., R. Stehn, and R. Platte. 2003b. Eider Breeding Population Survey, Arctic Coastal Plain, Alaska, 2003. USFWS Migratory Bird Management, Waterfowl Management Branch, Soldotna and Anchorage, Alaska.
- Larsen, S. 1960. On the Influence of the Arctic Fox on the Distribution of Arctic Birds. *Oikos* 11:276-305.
- Lawhead, B. 1996. Inupiaq Names of Birds Occurring on the Colville River Delta (Sources Listed At End of Table). Unpublished table by Alaska Biological Research, Inc., Fairbanks, Alaska. May.
- Lawhead, B.E. 1990. 1989 Endicott Environmental Monitoring Program. Draft report for Science Applications International Corp., from Endicott Unit owners.
- Lawhead, B.E. 1997. Caribou and Oil Development in Northern Alaska: Lessons from the Central Arctic Herd. In: NPR-A Symposium Proceedings, Science, Traditional Knowledge, and the Resources of the Northeast Planning Area of the Northern Petroleum Reserve-Alaska, D. Yokel, comp. Anchorage, AK, Apr. 16-18, 1997. Anchorage, AK: BLM and MMS, pp. 7-5 to 7-7.
- Lawhead, B.E., and R.D. Cameron. 1988. Caribou Distribution on the Calving Grounds of the Central Arctic Herd, 1987. Unpublished report by Alaska Biological Research, Inc., and the Alaska Department of Fish and Game, Fairbanks, Alaska.
- Lawhead, B.E., and J.A. Curatolo. 1984. Distributions and Movements of the Central Arctic Herd, Summer 1983. Final report to ARCO Alaska, Inc., Anchorage, by Alaska Biological Research, Fairbanks. 52 pp.
- Lawhead, B.E., and C.B. Johnson. 2000. Surveys of Caribou and Muskoxen in the Kuparuk-Colville region, Alaska, 1999, with a Summary of Caribou Calving Distribution since 1993. Final report for Phillips Alaska, Inc., by ABR, Inc., Fairbanks, Alaska.
- Lawhead, B.E., and S.M. Murphy. 1988. Caribou, 1987 Endicott Environmental Monitoring Program. Draft report to Envirosphere, Co. and U.S. Army Corps of Engineers, Anchorage, by Alaska Biological Research, Fairbanks.
- Lawhead, B.E., and A. K. Prichard. 2002. Surveys of Caribou and Muskoxen in the Kuparuk-Colville Region, Alaska, 2001. Final report for Phillips Alaska, Inc., by ABR, Inc., Fairbanks, Alaska.
- Lawhead, B.E., and A.K. Prichard. 2003. Surveys of Caribou and Muskoxen in the Kuparuk-Colville Region, Alaska, 2002. Unpublished report by ABR, Inc. – Environmental Research and Services, Fairbanks, Alaska.
- Lawhead, B.E., and L. Smith. 1990. Caribou, 1988 Endicott Environmental Monitoring Program. Draft report for Science Applications International Corporation from Endicott Unit owners and BP Exploration.
- Lawhead, B.E., C.B. Johnson, and L.C. Byrne. 1993. Caribou Surveys in the Kuparuk Oilfield during the Calving and Insect Seasons. Final report for ARCO Alaska, Inc. and Kuparuk River Unit, Anchorage, by Alaska Biological Research Inc., Fairbanks.
- Lawhead, B.E., A.K. Prichard, M.J. Macander, and M. Emers. 2003. Caribou Mitigation Monitoring for the Meltwater Project, 2002. Prepared by ABR, Inc. – Environmental Research & Services, Fairbanks, AK. May.
- Lawson, D.E., J. Brown, K.R. Everett, A.W. Johnson, V. Komárková, B.M. Murray, D.F. Murray, and P.J. Webber. 1978. Tundra Disturbances and Recovery Following the 1949 Exploratory Drilling, Fish Creek, Northern Alaska. CRREL Report 78-28.
- Lawson 1982 – Lawson, D.E. 1982. Long-term modifications of perennially frozen sediment and terrain at East Oumaulik, northern Alaska. CRREL, Hanover, NH. Report 82-36.

- Lawson, D.E. 1986. Response of Permafrost Terrain to Disturbance: A Synthesis of Observations from Northern Alaska, U.S.A. *Arctic and Alpine Research* 18(1):1-17.
- Lehr, W.J. 2001. Review of Modeling Procedures for Oil Spill Weathering. In: *Oil Spill Modeling and Processes*, C.A. Brebbia, ed. Boston, MA: WIT Press, pp. 51-90.
- Leirvik, F., T.J. Stirred, and M.O. Moldestad. 2002. Weathering properties of Endicott, Milne Point Unit, High Island Composite, Alpine Composite, Neptune Field Composite, and North Star Oil Samples. Report No. STF66 A02114 prepared by SINTEF Applied Chemistry for MMS Proj. No. 661189.40; 131 pp.
- Lenart, E.A. 1999a. GMUs 26B and 26C; Central and Eastern Arctic Slope, pp. 30-43. In: *Muskox Management Report of Survey-Inventory Activities*, M.V. Hicks, ed. Federal Aid in Wildlife Restoration Grants W-24-5 and W-27-1. Juneau, AK: ADF&G.
- Lenart, E.A. 1999b. Central Arctic Herd, pp. 222-235. In: *Caribou. Management Report of Survey-Inventory Activities*, M.V. Hicks, ed. Federal Aid in Wildlife Restoration Grants W-24-5 and W-27-1. Juneau, AK: ADF&G.
- Lenart, E. A. 2001. Caribou Management Report; From 1 July 1998 To 30 June 2000; Game Management Unit 26B and 26C. in: *Caribou Management Report of Survey-Inventory Activities, 1 July 1998 to 30 June 2000*. Alaska Department of Fish and Game, Division of Wildlife Conservation, Juneau, AK. December 2001: 265-286.
- Lenart, E.A. 2002a. Central Arctic Caribou Field Work Summary for 2001-2002. Unpublished data report. Fairbanks, AK: ADF&G, Division of Wildlife Conservation.
- Lenart, E.A. 2002b. 2002 Central Arctic Herd Caribou Photocensus Summary. Unpublished data report. Fairbanks, AK: ADF&G, Division of Wildlife Conservation.
- Lenart, E.A. 2003. Caribou Management Report; from 1 July 2000 to 30 June 2002; Game Management Unit 26B and 26C. In: *Caribou Management Report of Survey-Inventory Activities, 1 July 2000 to 30 June 2002*. Alaska Department of Fish and Game, Division of Wildlife Conservation, Juneau, AK. December 2003: 304-326.
- Lent, P.C. 1966. The Caribou of Northwestern Alaska, pp. 481-517. In: *Environment of the Cape Thompson Region, Alaska*, N.J. Wilimovsky and J.N. Wolfe, eds. Washington, D.C.: U. S. Atomic Energy Commission.
- Lewis, J.P., and R. Sellers. 1991. Assessment of the Exxon Valdez Oil Spill on Brown Bears on the Alaska Peninsula. Exxon Valdez Oil Spill Natural Resource Damage Assessment. NRDA Terrestrial Mammal Study No. 4, Unpublished Final Report. Anchorage, AK: NRDA, 20 pp.
- LGL. 1992. Use of Kasegaluk Lagoon, Chukchi Sea, Alaska, by Marine Birds and Mammals. Report prepared by LGL Alaska Research Associates, Inc., Anchorage, AK, and ADF&G, Fairbanks, AK, for MMS, Herndon, VA.
- Li, S.S., and M. Sturm. 2002. Patterns of Wind-Drifted Snow on the Alaskan Arctic Slope, Detected with ERS-1 Interferometric SAR. *Journal of Glaciology* 48:495-504.
- Libbey, D. 1981. Cultural Resource Site Identification. In: *Cultural Resources in the Mid-Beaufort Sea Region: A Report for the North Slope Borough's Coastal Zone Management Plan*.
- Libbey, D. 1983. Kaktovik Area Cultural Resource Survey. North Slope Borough and National Park Service. Barrow, Alaska.
- Libbey, D., G. Spearman, and D. Hoffman. 1979. Nuiqsut Synopsis, pp. 151-161. In: *Native Livelihood and Dependence: A Study of Land Use Values Through Time*. North Slope Borough Contract Staff. U.S. Department of the Interior, National Petroleum Reserve in Alaska. Anchorage, Alaska.
- Limpert, R.J., and S.L. Earnst. 1994. Tundra Swan (*Cygnus columbianus*). In: *The Birds of North America*, No. 89, A. Poole and F. Gill, eds. Philadelphia: The Academy of Natural Sciences, and Washington, D.C.: The American Ornithologists' Union.
- Lindsey, K. D. 1986. Paleontological Inventory and Assessment of Public Lands Administered by the Bureau of Land Management. State of Alaska.

- Lipkin, R. 2003. E-mails dated May 30, 2003, June 27, 2003 and September 11, 2003, to S. Forland, MACTEC Engineering and Consulting; subject: rare and sensitive plant species in the ASDP Plan Area.
- Lipkin, R., and D.F. Murray. 1997. Alaska Rare Plant Field Guide. U.S. Fish and Wildlife Service, National Park Service, Bureau of Land Management, Alaska Natural Heritage Program, and U.S. Forest Service. [Online] Available [http://www.uaa.alaska.edu/enri/aknhp\\_web/index.html](http://www.uaa.alaska.edu/enri/aknhp_web/index.html).
- Ljungblad, D.K., S.E. Moore, J.T. Clarke, and J.C. Bennett. 1986. Seasonal Patterns of Distribution, Abundance, Migration and Behavior of the Western Arctic Stock of Bowhead Whales, *Balaena mysticetus* in Alaskan Seas. Reports of the International Whaling Commission (Special Issue 8):177-205.
- Lobdell, J. 1980. Coastal and Barrier Island Archaeological Localities in the Beaufort Sea Coast of Alaska: Colville to Staines Rivers. ARCO Environmental Conservation Department. Anchorage, Alaska.
- Lobdell, J. 1995. North Alaska Pingos: Ephemeral Refugia in Prehistory. Arctic Anthropology 32(1):62-81.
- Lobdell, J. 1998. Nuiqsut Natural Gas Pipeline Archaeological and Cultural Resources Reconnaissance, North Slope, Alaska. Parametrix Alaska for LCMF, Inc.
- Lobdell, J.E. and G.S. Lobdell. 1999. 1998 and 1999 NPRA Exploration Archaeological and Cultural Resources Reconnaissance, North Slope, Alaska. For ARCO Alaska, Inc.
- Lobdell, J.E. and G.S. Lobdell. 2000. 1999 NPR-A Exploration Program Archaeological and Cultural Resources Reconnaissance, North Slope, Alaska. BP Exploration, Inc. Anchorage, Alaska.
- Lovvorn, J.R., S.E. Richman, J.M. Grebmeier, and L.W. Cooper. 2003. Diet and Body Condition of Spectacled Eiders Wintering in Pack Ice of the Bering Sea. Polar Biology 26:259-267.
- Lowry, L. F. 1985. The spotted Seal (*Phoca largha*). In: Marine Mammals Species Accounts, J. J. Burns, K.J. Frost, and L.F. Lowry, eds. ADF&G.
- Lowry, L.F. 1993. Foods and Feeding Ecology. In: The Bowhead Whale, J.J. Burns, J.J. Montague, and C.J. Cowles, eds. Lawrence, KS: The Society for Marine Mammalogy, pp. 201-238.
- Lowry, L.F., K.J. Frost, R. Davis, R.S. Suydamand, D.P. DeMaster. 1994. Movements and Behavior of Satellite-Tagged Spotted Seals (*Phoca largha*) in the Bering and Chukchi Seas. U.S. Dept. Commer., NOAA Tech. Memo. NMFS-AFSC-38. 71 pp.
- Lowry, L.F., K.J. Frost, R. Davis, D.P. DeMaster, and R.S. Suydam. 1998. Movements and Behavior of Satellite-Tagged Spotted Seals (*Phoca largha*) in the Bering and Chukchi Seas. Polar Biology 19:221-230.
- Lowry, L.F., V.N. Burkanov, K.J. Frost, M.A. Simpkins, R. Davis, D.P. DeMaster, R. Suydam, and A. Springer. 2000. Habitat Use and Habitat Selected by Spotted Seals (*Phoca largha*) in the Bering Sea. Canadian Journal of Zoology 78:1959-1971.
- Luick, Toivo (ADEC). 2003. Personal communication with Gordon Robilliard, Entrix, Inc. September.
- Lynch, A. H., E.N. Cassano, L. Lestak, and J.J. Cassano. 2002. Case Studies of High Wind Events in Barrow, Alaska: Climatological Context and Development Processes. Monthly Weather Review, Vol. 131, No. 4, pp. 719-732.
- Lynch, A.H., E.N. Cassano, J.J. Cassano, and L.R. Lestak, 2003a: Case Studies of High Wind Events in Barrow, Alaska: Climatological Context and Development Processes. Mon. Wea. Review, **131**, 719-732.
- Lynch, A.H., A.R. Rivers and P.J. Bartlein, 2003b: An assessment of the influence of land cover uncertainties on the simulation of global climate in the early Holocene. Climate Dynamics, **21**, 241-256. DOI 101007/s00382-003-0331-7.

- Lynch, A. H., J. A. Curry, R. D. Brunner, and J. A. Maslanik. 2004. Toward an integrated Assessment of the Impacts of Extreme Wind Events on Barrow, Alaska. *Bulletin of the American Meteorological Society*, Vol. 85, No. 2, pp. 209–221.
- Macdonald, K.B. 1977. Plant and Animal Communities of Pacific North American Salt Marshes. In: *Wet Coastal Ecosystems, Ecosystems of the World*, V.J. Chapman, ed. Amsterdam: Elsevier. pp. 167-192.
- MacGillivray A. O., D. E. Hannay, R. G. Racca, C. J. Perham, S. A. MacLean, and M. T. Williams. 2003. Assessment of industrial sounds and vibrations received in artificial polar bear dens, Flaxman Island, Alaska. Final Report to ExxonMobil Production Company by JASCO Research Ltd., Victoria, British Columbia and LGL Alaska Research Associates Inc., Anchorage, Alaska. 60 pages.
- Mach, J.L., R.L. Sandefeur, and J.H. Lee. 2000. Estimation of Oil Spill Risk from Alaska North Slope, Trans-Alaska Pipeline, and Arctic Canada Oil Spill Data Sets. Final Report for Mineral Management Service under contract No. 01-99-PO-16128. 149 pp.
- Macpherson, A.H. 1969. The Dynamics of Canadian Arctic Fox Populations. *Canadian Wildlife Service Report Series*, No. 8. 52 pp.
- Magoun, A.J. 1984. Population Characteristics, Ecology, and Management of Wolverines in Northwestern Alaska. Ph.D. dissertation. Fairbanks, AK: University of Alaska.
- Maher, W.J. 1974. Ecology of Pomarine, Parasitic, and Long-tailed Jaegers in Northern Alaska. *Cooper Ornithological Society, Pacific Coast Avifauna*, Number 37.
- Mahoney, S.P., and J.A. Schaefer. 2002. Hydroelectric Development and the Disruption of Migration in Caribou. *Biological Conservation* 107:147-153.
- Maier, J. A., S. M. Murphy, R. G. White, and M. D. Smith. 1998. Responses of Caribou to Overflights by Low-Altitude Jet Aircraft. *Journal of Wildlife Management*. 62:752-766.
- Malins, D.C., ed. 1977. *Effects of Petroleum on Arctic and Subarctic Marine Environments and Organisms*. New York: Academic Press, Inc.
- Mallory, C.R. 1998. A Review of Alaska North Slope Blowouts, 1974-1997. Shared Services Drilling.
- Mallek, E.J. 2001. Aerial Breeding Pair Surveys of the Arctic Coastal Plain of Alaska-2000. Fairbanks, AK: USDOI, FWS, 15 pp.
- Mallek, E.J., R. Platte, and R. Stehn. 2002. Aerial Breeding Pair Surveys of the Arctic Coastal Plain of Alaska, 2001. Unpublished Report by the U.S. Fish and Wildlife Service, Waterfowl Management, Fairbanks, Alaska, 25 pp.
- Mallek, E.J., R. Platte, and R. Stehn. 2003. Aerial Breeding Pair Surveys of the Arctic Coastal Plain of Alaska, 2002. Unpublished report by USFWS, Waterfowl Management, Fairbanks, AK. 23 pp.
- Mann, D.H., D.M. Peteet, R.E. Reanier, M.L. Kunz. 2002. Responses of and Arctic Landscape to Late Glacial and Early Holocene Climactic Changes: The Importance of Moisture. *Quaternary Science Reviews* 21:997-1021. Cited in Reanier, 2002.
- Mann, G.J. 1974. Life History Types of the Least Cisco (*Coregonus sardinella*, Valenciennes). In: *The Yukon Territory North Slope and Eastern Mackenzie River Delta Drainages*. Chap. 3 (132 pp.). In: *Life Histories of Three Species of Freshwater Fishes in Beaufort Sea Drainages, Yukon Territory*, P.J. McCart, ed. Arctic Gas Biological Report Series, Volume 18. Report by Aquatic Environments Limited for Canadian Arctic Gas Study Limited and Alaskan Arctic Gas Study Company. 377 pp.
- Mann, G.J. 1975. Winter Fisheries Survey Across the Mackenzie Delta. Chap. 3 (54 pp.). In: *Fisheries Investigations in a Coastal Region of the Beaufort Sea*, P. Craig, ed. Arctic Gas Biological Report Series, Volume 34. Report by

- Aquatic Environments Limited for Canadian Arctic Gas Study Limited and Alaskan Arctic Gas Study Company. 387 pp.
- Mann, G., and P. McCart. 1981. Comparison of Sympatric Dwarf and Normal Populations of Least Cisco (*Coregonus sardinella*) Inhabiting Trout Lake, Yukon Territory. Canadian Journal of Fisheries and Aquatic Sciences 38:240-244.
- Martin, P. (USFWS). 2004., Personal communication with Debbie Nigro, BLM, February 23, 2004.
- Martin, L.R., W.J. Wilson, R.L. Howard, and S.K. Waggoner. 1993. Assessment of fish overwintering and habitat conditions in the Sagavanirktok River near Trans-Alaska Pipeline milepost 47. Report by LGL Alaska Research Associates, Inc. for American North, Inc. and Alyeska Pipeline Service Company, Anchorage, Alaska.
- Martin, S. 1979. A Field Study of Brine Drainage and Oil Entrainment in First-Year Sea Ice. Journal of Glaciology 22:473-502.
- Mate, B.R., G.K. Krutzikowsky, and M.H. Winsor. 2000. Satellite-Monitored Movements of Radio-Tagged Bowhead Whales in the Beaufort and Chukchi Seas during the Late-Summer Feeding Season and Fall Migration. Can. J. Zool. 78:1168-1181.
- Maunder, T. (PE, AOGCC). 2004. Personal communication with Peter Hendricks, Entrix, Inc.
- Maurer Technology. 2003. Methane Hydrate Production from Alaskan Permafrost. Maurer/Anadarko/Noble/DOE Alaskan Hydrate Project. [Online] Available <http://www.maurertechnology.com/JIP/GasHydrates/NGHhome.asp>, June 2003.
- Maxim, L.D., and R.W. Niebo. 2001a. Analysis of Spills Associated with Alaska North Slope (ANS) Exploration and Production (E&P) Activities. Draft. Prepared by Everest Consulting Associates, Cranbury, NJ, for TAPS Owners Alaska, Anchorage.
- Maxim, L.D., and R.W. Niebo. 2001b. Appendix B. Oil Spill Analysis for North Slope Oil Production and Transportation Operations. Environmental Report for TAPS Right-of-Way Renewal. Draft. [Online] Available <http://tapseis.anl.gov/documents/report.cfm>.
- Maxim, L.D., and R.W. Niebo. 2001c. Water Spills on the Alaska North Slope. Prepared by Everest Consulting Associates, Cranbury, NJ, for Alaska Oil and Gas Association, Alaska, Anchorage.
- Mayfield, C.F., I.L. Tailleux, and I. Eilersieck. 1988a. Stratigraphy, Structure, and Palinspastic Synthesis of the Western Brooks Range, Northwestern Alaska. In: Geology and Exploration of the National Petroleum Reserve in Alaska, 1974-1982, G. Gryc, ed. USGS Professional Paper 1399. U.S. Geological Survey, pp. 143-186.
- Mayfield, C.F., I.L. Tailleux, and C.E. Kirschner. 1988b. Bedrock Geologic Map of the National Petroleum Reserve in Alaska. In: Geology and Exploration of the National Petroleum Reserve in Alaska, 1974-1982, G. Gryc, ed. USGS Professional Paper 1399. U.S. Geological Survey, pp. 187-190.
- McCart, P. 1980. A Review of the Systematics and Ecology of Arctic Char, *Salvelinus alpinus*, in the Western Arctic. Can. Tech. Rep., Fisheries and Aquatic Science. No. 935. 89 pp.
- McClain, H. 2003. Personal Communication, telephone conversation, March 7.
- McDonald, G.N. 1994. Stream Crossing Design Procedure for Fish Streams on the North Slope Coastal Plain of Alaska. Prepared for BP Exploration (Alaska) Inc. and the Alaska Department of Environmental Conservation. June.
- McElderry, H.I., and P.C. Craig. 1981. A Fish Survey in the Lower Colville River Drainage with an Analysis of Spawning Use by Arctic Cisco. Appendix 2. pp. 657-678. In: Environmental Assessment of the Alaskan Continental Shelf, Final Report of Principal Investigators Volume 7. BLM/NOAA OCSEAP, Boulder, Co. 678 pp.

- McKechnie, A.M., and D.N. Gladwin. 1993. Aircraft Overflight Effects on Wildlife Resources. Report No. 290940.22 prepared by Harris, Miller, Miller, & Hanson, Inc., Lexington, MA, and Sterna Fuscata, Inc., Fort Collins, CO, for U.S. Department of Interior, National Park Service, Denver, CO. 79pp.
- McKendrick, J.D. 1996. Vegetation Recolonization on Salt-Damaged Soil in Arctic Alaska. In: Proceedings of the High Altitude Revegetation Workshop No. 12, W.R. Keammerer, ed. Informational Series No. 83, Colorado Water Resources Research Institute, Colorado State University, Colorado, 37 pp.
- McKendrick, J.D. 1997. Recovery and Rehabilitation of Disturbed Wetland Sites. In: Proceedings: NPR-A Symposium: Science, Traditional Knowledge, and the Resources of the Northeast Planning Area of the National Petroleum Reserve in Alaska, Anchorage, AK, Apr. 16-18, 1997. Anchorage, AK: MMS and BLM, 99 pp. plus attachments.
- McKendrick, J.D. 1999. Long-Term Gravel Rebegetation Project Data Report, 1993 to 1998. Prepared by Lazy Mountain Research, Palmer, AK, for BP Exploration (Alaska), Inc. Anchorage, AK. July.
- McKendrick, J.D. 2000a. Ublutoch River Crossing Willow Protection Project Field Report. Lazy Mountain Research, Palmer, Alaska, for Phillips Alaska, Inc., Anchorage.
- McKendrick, J.D. 2000b. Vegetative Responses to Disturbance, In: The Natural History of an Arctic Oilfield, J.C. Truett and S.R. Johnson, eds. San Diego, CA: Academic Press, pp. 35-56.
- McKendrick, Jay D. 2000. Alpine Pipeline Seawater Leak: Effects on Surface Water, Soil, and Vegetation Final Report to Phillips Alaska, Anchorage AK. 24 pp.
- McKendrick, Jay D. 2001. Reevaluation of Salinity in Soil and Surface Water and Vascular Plant Conditions A Year Following the Seawater Leak from Alpine Pipeline. Report to Phillips Alaska, Anchorage AK. 10 pp.
- McKendrick, J.D. 2003a. Investigation of Salinity in Gravel Roads to Three Production Sites: A Report to ConocoPhillips for Meltwater, Tarn and Palm Roads. Lazy Mountain Research, Palmer, Alaska for ConocoPhillips Alaska, Inc., Anchorage.
- McKendrick, J.D. 2003b. Report on Condition of Willows at Four Streams Crossed by the 2002 Grizzly Ice Road. Lazy Mountain Research, Palmer, Alaska for ConocoPhillips Alaska, Inc., Anchorage.
- McKendrick, J., and W. Mitchell. 1978. Fertilizing and Seeding Oil-Damaged Arctic Tundra to Effect Vegetation Recovery, Prudhoe Bay, Alaska. *Arctic* 313:296-304.
- McKim, J.M. 1977. Evaluation of Tests with Early Life Stages of Fish for Predicting Long-Term Toxicity. *Journal of the Fisheries Resource Board of Canada* 34:2248-1154.
- McLaren, M.A., and J.E. Green. 1985. The Reactions of Muskoxen to Snowmobile Harassment. *Arctic* 38:188-193.
- McLean. 1993. North Slope Gravel Pit Performance Guidelines. ADF&G Habitat and Restoration Division Technical Report 93-9.
- McLellan, B.N. 1990. Relationships between Human Industrial Activity and Grizzly Bears. Bears – Their Biology and Management. Eighth International Conference on Bear Research and Management. 8:57-64.
- McLellan, B.N., and D.M. Shackleton. 1989. Immediate Reactions of Grizzly Bears to Human Activities. *Wildlife Society Bulletin* 17:269-274.
- McPhail, J.D. 1961. A Systematic Study of the *Salvelinus alpinus* Complex in North America. *Journal of the Fisheries Research Board of Canada* 18:793-816.
- McPhail, J.D., and C.C. Lindsey. 1970. The Freshwater Fishes of Northwestern Canada and Alaska. *Fisheries Research Board of Canada Bulletin* 173. 381 pp.

- McPhail, J.F., W.B. McMullen, and A.W. Murfitt. 1975. Design and Construction of Roads on Muskeg in Arctic and Sub-Arctic Regions. Sixteenth Annual Muskeg Research Conference. Montreal, Quebec, Canada. 51 pp.
- Mecklenburg, C.W., T.A. Mechlenburg, and L.K. Thorsteinson. 2002. Fishes of Alaska. Bethesda, Maryland: American Fisheries Society. 1037 pp.
- Mellor, J.C. 1987. A Statistical Analysis and Summary of Radar-Interpreted Arctic Lake Depths, BLM-Alaska Technical Report 11, Anchorage, Alaska, 33 pp.
- Michael Baker Jr., Inc., 1998. Colville River Delta, Two-Dimensional Surface Water Model, Project Update. Prepared for ARCO Alaska, Inc., Anchorage, Alaska.
- Michael Baker Jr., Inc., 2001a. Colville River Delta, 2- and 10-Year Flood Models. Prepared for Phillips Alaska, Inc., Anchorage, Alaska.
- Michael Baker Jr., Inc., 2001b. CD-North Development Project 2001 Spring Breakup and Hydrologic Assessment. Prepared for Phillips Alaska, Inc., Anchorage, November 2001.
- Michael Baker Jr., Inc. 2002a. Buried Crossings – Concept Report River Crossings in NPR-A Development. 25237-MBJ-RPT-002. Submitted to Phillips Alaska, Inc. January 2002.
- Michael Baker Jr., Inc. 2002b. Colville River Delta Two-Dimensional Surface Water Model, CD-Satellite Update. Submitted to ConocoPhillips Alaska, Inc., Anchorage.
- Michael Baker Jr., Inc. 2002c. [2002a in Sec. 2] CD-North Development Project, 2002 Spring Breakup and Hydrology Assessment. 25436-MBJ-DOC-003. Submitted to ConocoPhillips Alaska, Inc.. November.
- Michael Baker Jr., Inc. 2002d. [2002d in Sec. 2] CD-South Development Project, 2002 Spring Breakup and Hydrology Assessment. 25436-MBJ-DOC-002. Submitted to ConocoPhillips Alaska, Inc.. November 2002.
- Michael Baker Jr., Inc. 2002e. NPR-A 2002 Lake Monitoring and Recharge Study; prepared for ConocoPhillips. November.
- Michael Baker Jr., Inc. 2002f. [2002e in Sec. 2]. NPRA Development Study, 3-Phase Flow Line Sizing Charts, 25237-MBJ-RPT-004. Submitted to Phillips Alaska, Inc. April.
- Michael Baker Jr., Inc. 2002g. [2002d in Sec. 2]. Pipeline Bridge Concept Report. 25237-MBJ-RPT001. Submitted to Phillips Alaska, Inc. January.
- Michael Baker Jr., Inc. 2002h. Kuparuk 2002 Lake Monitoring and Recharge Study. Prepared for CPAI. December.
- Michael Baker Jr. Inc. 2003. Alpine Satellites Development Plan, 2003 Spring Breakup and Hydrology Assessment. Submitted to ConocoPhillips Alaska, Inc.. December 2003.
- Michael Baker Jr., Inc. 2004a. Preliminary Findings, Colville River Delta Two-Dimensional Surface Water Model, Nigliq Channel Project, March 2004.
- Michael Baker Jr., Inc. 2004b. The Nigliq Channel Bridge – Fluvial Processes and Channel Morphology in the Colville River Delta, North Slope, Alaska. Prepared by Michael Baker, Jr. Inc., Alaska Biological Research, Inc., and PN&D Consulting Engineers, Inc. for ConocoPhillips, Alaska, Inc., March 2004.
- Michael Baker, Jr., Inc. 2004c. Water Surface Elevation Comparisons; May 13, 2004. Project Note from Vin Robinson (Michael Baker) to Clay Borden and Chuck Uselmann (ConocoPhillips).
- Michael Baker, Jr., Inc. 2004d. Ice and Its Effects during Spring Breakup in the Colville River Delta, North Slope, Alaska. Prepared by Michael Baker, Jr. Inc., Anchorage, AK for ConocoPhillips. July 2004. Prepared in response to June 17, 2004 Task #1 request from agencies.

- Michael Baker, Jr., Inc. 2004e. Rating Curves (for 6 modeled scenarios including existing conditions, FEIS proposed alternatives, and 900-, 1200-, 1500- and 1650-ft Nigliq Channel bridges). Developed using the Colville River 2D Surface Water Model. Prepared in response to June 17, 2004 Task #2, June 21, 2004 Task #1, and June 21, 2004 Task #1 requests from agencies.
- Michael Baker, Jr., Inc. 2004f. Data Tabulation. June 17, 2004 Task #3 requests from agencies.
- Michael Baker, Jr., Inc. 2004g. Monument 1 Stage-Discharge Relationship. Project Note. Prepared by Baker Hydrology for ConocoPhillips. June 29, 2004. In response to June 17, 2004 Task #4 request from agencies.
- Michael Baker, Jr., Inc. 2004h. CD-4 Road East/West Cross Drainage. Project Note. Prepared by Baker Hydrology for ConocoPhillips, July 13, 2004. In response to June 21, 2004 Task #2 request from agencies.
- Michael Baker Jr., Inc. and Hydroconsult. 2002. Colville River Flood Frequency Analysis, Update. Prepared for Phillips Alaska, Inc., Anchorage.
- Michael Baker Jr., Inc. and Hydroconsult. 2004a. Ublutuoch River, MP. 6.8, Air Photos and Hydraulic Assessment of Bridge Options; four figures prepared by Hydroconsult and Michael Baker for ConocoPhillips, July 15, 2004 in response to June 21, 2004 Task #3 request from agencies.
- Michael Baker, Jr., Inc. and Hydroconsult. 2004b. Nigliq Bridge Bank Migration Analysis Report. Prepared by Michael Baker, Jr., Inc., and Hydroconsult for ConocoPhillips. Report 102579-MBJ-RPT-001. April 2004.
- Michel, B. 1971. Winter Regime of Rivers and Lakes, Cold Regions Science and Engineering Monograph III-B1a. Published by the U.S. Army Corps of Engineers. Cold Regions Research and Engineering Laboratory. Hanover, New Hampshire. April 1971.
- Milan, F.A. 1964. The Acculturation of the Contemporary Eskimo of Wainwright, Alaska. *Anthropological Papers of the University of Alaska* 11(2).
- Miller. 2004. Boring Logs of Test Holes C04-07, C04-08, C04-09, C04-10 and C04-11 Drilled by Discovery Drilling during February 2004 in the Nigliq Channel, Colville Delta, Alaska. Prepared by Duane Miller & Associates. June 2004.
- Miller F.L., and A. Gunn. 1984. Muskox Defense Formations in Response to Helicopters in the Canadian High Arctic. Biological paper, University of Alaska Special Report 4:123-126.
- Miller, F.L., E.J. Edmonds, and A. Gunn. 1982. Foraging Behaviour of Peary Caribou in Response to Springtime Snow and Ice Conditions. *Canadian Wildlife Service Occasional Paper* No. 48.
- Miller, G.W., R.E. Elliott, and W.J. Richardson. 1996. Marine Mammal Distribution, Numbers and Movements. In: *Northstar Marine Mammal Monitoring Program, 1995: Baseline Surveys and Retrospective Analyses of Marine Mammal and Ambient Noise Data From the Central Alaskan Beaufort Sea*. LGL Report TA 2101-2. King City, Ontario, Canada: LGL Ecological Research Associates, Inc.
- Miller, M.C., V. Alexander, and R.J. Barsdate. 1978. The Effects of Oil Spills on Phytoplankton in an Arctic Lake and Ponds. *Arctic* 31(3):192-218.
- Miller, M.C., R.T. Prentki, and R.J. Barsdate. 1980. Physics of the Ponds. In: *Limnology of Tundra Ponds, Barrow, Alaska*, J.E. Hobbie, ed. US/IBP Synthesis Series, 13. Stroudsburg, PA: Dowden, Hutchinson, and Ross.
- Miller, M.W., K.C. Jensen, W.E. Grant, M.W. Weller. 1994. A simulation model of helicopter disturbance of molting Pacific black brant. *Ecological Modelling* 73(1994):293-309.
- MJM Research. 2000a. Fish Utilization of Lakes in Eastern NPR-A – 1999. Final Data Report. Prepared for: ARCO Alaska, Inc. Anchorage, Alaska.

## BIBLIOGRAPHY

---

- MJM Research. 2000b. Fish Utilization of Lakes in Eastern NPR-A – 1999-2000. Final Data Report. Prepared for: Phillips Alaska, Inc. Anchorage, Alaska.
- MJM Research. 2001. Fish Utilization of Lakes in Eastern NPR-A: 1999-2001. Report to Phillips Alaska, Inc., Anchorage, Alaska. 26 pp. + Append.
- MJM Research. 2002. Fish Utilization of Lakes in the Upper Fish Creek Region of Eastern NPR-A: 2002. Report to Phillips Alaska, Inc., Anchorage, Alaska. 19 pp. + Append.
- MJM Research. 2003. Committee on the Cumulative Environmental Effects of Oil and Gas Activities on Alaska's North Slope, National Research Council. 304 pp.
- MMS (Minerals Management Service). 1994. Scoping Report, Beaufort Sea Sale 144. Anchorage, AK: USDO, MMS, Alaska OCS Region.
- MMS. 1979a. Public Hearing, Official Transcript of Proceedings, Beaufort Sea BF Oil and Gas Lease Sale, Nuiqsut. Anchorage, AK: USDO, MMS, Alaska OCS Region.
- MMS. 1979b. Official Transcript, Proceeding of Public Hearing, Draft Environmental Impact Statement for the Proposed Oil and Gas Lease Sale BF in the Beaufort Sea, Barrow, Alaska, June 4, 1979. Alaska-Wide Court Reporters. Anchorage, Alaska.
- MMS. 1979c. Public Hearing, Beaufort Sea Lease Sale, Kaktovik. Anchorage, AK: Alaska OCS Region, p. 16.
- MMS. 1982. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for the Proposed Oil and Gas Lease Sale in the Diapir Field (Proposed Sale 71), Presbyterian Church, Barrow, Alaska, February 2, 1982: N.P., R&R Court Reporters.
- MMS. 1987. Alaska Outer Continental Shelf Beaufort Sea Sale 97 Final Environmental Impact Statement. OCS EIS/EA, MMS 87-0069, 2 Vols. Anchorage, AK: USDO, MMS, Alaska OCS Region.
- MMS. 1990. Public Hearing, Official Transcript of Proceedings, Beaufort Sea Sale 124 draft EIS, Kaktovik, Ak., Apr. 18, 1990. Anchorage, AK: USDO, MMS, Alaska OCS Region, p. 22.
- MMS. 1990. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for the Proposed Oil and Gas Lease Sale 124 in the Beaufort Sea, Nuiqsut, Alaska, April 19, 1990. Executory Court Reporting. Anchorage, Alaska.
- MMS. 1993. Guidelines for Oil and Gas Operations in Polar Bear Habitats. OCS Study, MMS 93-0008. Washington DC: USDO, MMS, 104pp.
- MMS. 1995a. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for the Proposed Oil and Gas Lease Sale 144 in the Beaufort Sea, Nuiqsut, Alaska, November 6, 1995. Executory. Anchorage, Alaska.
- MMS. 1995b. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for the Proposed Oil and Gas Lease Sale 144 in the Beaufort Sea, Kaktovik City Hall, Alaska, November 7, 1995: N.P., Executory Court Reporting.
- MMS. 1995c. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for the Proposed Oil and Gas Lease Sale 144 in the Beaufort Sea, Barrow, Alaska, November 8, 1995. Executory Court Reporting. Anchorage, Alaska.
- MMS. 1996a. Cook Inlet Planning Area Oil and Gas Lease Sale 149 Final Environmental Impact Statement, 2 Volumes. Anchorage, AK: MMS, Alaska OCS Region.
- MMS, Alaska OCS Region. 1996b. Beaufort Sea Planning Area Oil and Gas Lease Sale 144 Final Environmental Impact Statement. 2 Vols. Anchorage, AK: MMS, Alaska OCS Region.

- MMS. 1996c. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for the Proposed Beaufort Sea Oil and Gas Development, Northstar EIS Project, Nuiqsut, Alaska, May 7, 1996: N.P., Alaska Stenotype Reporters.
- MMS. 1996d. Beaufort Sea Oil and Gas Development Northstar EIS Project, Nuiqsut Whaling Captains' Meeting, Nuiqsut, Kuukpik Office, August 14, 1996: N.P., Dames & Moore and Stephen R. Braund & Associates.
- MMS. 1997. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement For Beaufort Sea Proposed Oil and Gas Lease Sale 170, Nuiqsut, Alaska, June 24, 1997. Executory Court Reporting. Anchorage, Alaska.
- MMS. 2001a. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for Liberty Development and Production Plan, Kaktovik, Alaska, March 20, 2001: N.P., Executory Court Reporting.
- MMS. 2001b. Official Transcript, Proceedings of Public Hearing, Draft Environmental Impact Statement for Liberty Development and Production Plan (OCS EIS/EA MMS 2001-001), Barrow, Alaska, March 21, 2001: N.P., Executory Court Reporting.
- MMS. 2001c. Official Transcript, Proceedings of Public Hearing, Draft environmental Impact Statement for Liberty Development and Production Plan (OCS EIS/EA MMS 2001-001), Nuiqsut, Alaska, March 2001: N.P., Executory Court Reporting.
- MMS, Alaska OCS Region. 2002a. Beaufort Sea Planning Area Sales 186, 195, and 202 Oil and Gas Lease Sale Draft EIS. OCS/EIS EA MMS 2002-029. Anchorage, AK: MMS, Alaska OCS Region.
- MMS, Alaska OCS Region. 2002b. Liberty Development and Production Plan, Final Environmental Impact Statement. OCS EIS/EA MMS 2002-019.
- MMS. 2002c. Final 5-year Program EIS 2002-2007, Herndon, VA: MMS. (sec. 4G)
- MMS. 2002d. OCS EIS/EA MMS 2002-006, Herndon, VA: MMS. (sec. 4G)
- MMS. 2003. Alaska Outer Continental Shelf, Beaufort Sea Planning Area, Oil and Gas Lease Sales 186, 195, and 202. Final Environmental Impact Statement, Volume 1. MMS, Alaska OCS Region.
- Moles, A., S.D. Rice, and S. Korn. 1979. Sensitivity of Alaskan Freshwater and Anadromous Fishes to Prudhoe Bay Crude Oil and Benzene. Transactions of the American Fisheries Society 108:408-414.
- Moore, S.E., and J.T. Clarke. 1990. Distribution, Abundance and Behavior of Endangered Whales in the Alaskan Chukchi and Western Beaufort Sea, 1989. Report for the U.S. Minerals Management Service, Alaska OCS Region, by SEACO/Science Applications International Corporation. 240 pp. NTIS No. PB91-105494.
- Moore, S.E., and Reeves, R.R. 1993. Distribution and Movement. In: The Bowhead Whale, J.J. Burns, J.J. Montague, and C.J. Cowles, eds. Lawrence, KS: Allen Press, Inc. pp. 313-386.
- Moore, T.E., W.K. Wallace, K.J. Bird, S.M. Karl, C.G. Mull, and J.T. Dillon, 1994. Geology of Northern Alaska. In: The Geology of North America Vol. G-1, The Geology of Alaska, G. Plafker and H.C Berg eds. Boulder, Colorado: Geological Society of America, Inc. 1055 pp.
- Morales, J.C., B.G. Hanks, J.W. Bickham, J.N. Derr, and B.J. Gallaway. 1993. Allozyme Analysis of Population structure in Arctic Cisco (*Coregonus autumnalis*) from the Beaufort Sea. Copeia 1993:863-867.
- Moran, T. 1995. Nesting Ecology of Spectacled Eiders on Kigigak Island, Yukon Delta NWR, Alaska, 1994. Unpublished report. Bethel AK: USDO, FWS.
- Moran, T. and C. Harwood. 1994. Nesting Ecology, Brood Survival and Movements of Spectacled Eiders on Kigigak Island, Yukon Delta NWR, Alaska. Unpublished report. Bethel AK: USDO, FWS.

- Morris, B. (ADF&G) 2003. Personal communication with LGL Alaska Research Associates, Inc., telephone conversation, 7 March 2003.
- Morris, B. (DNR) 2004. Personal communication with ENTRIX, Inc.
- Morris, J., B. Ewing, J. Kauffmann, B. McMillen, and J. Mosby. 1979. Studies of Wilderness, Recreational, and Visual Resources 1977-1079. U.S. Department of Interior, National Petroleum Reserve in Alaska, 105c Land Use Study. Anchorage, AK. 92 pp.
- Morris, W.A. 2000. Seasonal Movements of Broad Whitefish in the Freshwater Systems of the Prudhoe Bay Oil Field. Masters thesis. Fairbanks, AK: University of Alaska, 71 pp.
- Morris, W. 2003. Seasonal Movements and Habitat Use of Arctic Grayline (*Thymallus arcticus*), Burbot (*Lota lota*), and Broad Whitefish (*Coregonus nasus*) within the Fish Creek Drainage of the National Petroleum Reserve-Alaska, 2001-2002. Technical Report No. 03-02. Alaska Department of Natural Resources, Office of Habitat Management and Permitting.
- Morrow, J.E. 1980a. Analysis of the Dolly Varden Charr, *Salvelinus malma*, of Northwestern North America and Northeastern Siberia, In: Charrs: salmonid fishes of the genus *Salvelinus*. E.K. Balon, ed. The Hague, Netherlands: D.W. Junk Publications, pp. 323-338.
- Morrow, J.E. 1980b. The Freshwater Fishes of Alaska. Alaska Northwest Publishing Company, Anchorage, Alaska. 248 pp.
- Mould, E. 1979. Seasonal Movement Related to Habitat of Moose Along the Colville River, Alaska. *The Murrelet* 60:6-11.
- Moulton, L.L. n.d. Harvest Estimate and Associated Information for the 2000 Colville River Fall Fishery. Prepared by MJM Research for Phillips Alaska, Inc. and BP Exploration (Alaska) Inc.
- Moulton, L.L. n.d. Harvest Estimate and Associated Information for the 2002 Colville River Fall Fishery. Prepared by MJM Research for ConocoPhillips Alaska, Inc.
- Moulton, L.L. 1989. Recruitment of Arctic Cisco (*Coregonus autumnalis*) into the Colville Delta, Alaska, 1985. *Biological Papers of the University of Alaska* 24:107-111.
- Moulton, L.L. 1994. The 1993 Endicott Development Fish Monitoring Program. Vol. II: The 1993 Colville River Fishery. Report by MJM Research for BP Exploration (Alaska) Inc., Anchorage, Alaska. 60 pp.
- Moulton, L.L. 1995. The 1994 Endicott Development Fish Monitoring Program. Vol. II: The 1994 Colville River fishery. Report by MJM Research for BP Exploration (Alaska) Inc., Anchorage, Alaska. 58 pp.
- Moulton, L.L. 1996a. Lakes Sampled for Fish in and near the Colville River Delta, Alaska. Report to ARCO Alaska, Inc., Anchorage, Alaska. 3 pp. + Append.
- Moulton, L.L. 1996b. 1995 Colville Delta Fish Habitat Survey. Report to ARCO Alaska, Inc., Anchorage, Alaska. 44 pp. + Append.
- Moulton, L.L. 1997. The 1996 Endicott Development Fish Monitoring Program. Vol. II: The 1996 Colville River Fishery. Report by MJM Research for BP Exploration (Alaska) Inc., Anchorage, Alaska. 60 pp.
- Moulton, L.L. 1998. Lakes Sampled for Fish within and near the Colville River Delta, Alaska 1979-1998. Report prepared by MJM Research, Bainbridge, Washington, for ARCO Alaska, Inc. 513 pp.
- Moulton, L.L. 1999a. Alpine Development Project Fish Survey – 1998. Report to ARCO Alaska, Inc., Anchorage, Alaska. 22 pp. + Append.
- Moulton, L.L. 1999b. The 1997 Fall Gillnet Fishery in Nuiqsut, Alaska. Report for ARCO Alaska, Inc., Anchorage, Alaska. 16 pp.

- Moulton, L.L. 2000. Fish Utilization of Lakes in Eastern NPR-A – 1999. Report to ARCO Alaska, Inc., Anchorage, Alaska. 26 pp. + Append.
- Moulton, L.L. 2001. Harvest Estimate and Associated Information for the 2000 Colville River Fall Fishery. Report to Phillips Alaska, Inc. and BP Exploration (Alaska) Inc., Anchorage, Alaska. 53 pp.
- Moulton, L.L. 2002. Baseline Surveys of Fish Habitats in the Eastern NPR-A: 2001. Report to Phillips Alaska, Inc. Anchorage, Alaska, and Anadarko Petroleum Corp., The Woodlands, Texas. 33 pp. +Append.
- Moulton, L.L. 2003. Colville River Fall Fishery 2002. Report by MJM Research to ConocoPhillips Alaska, Inc., Anchorage, AK, 16 pp. + appendices.
- Moulton, L.L. 2003 (MJM Research). 2003. Personal communication.
- Moulton, L.L., and T.A. Carpenter. 1986. Colville River Fishes: A Literature Review. In: Colville River Fish Study, 1985 Biological Report, Chapter 1. Report by ENTRIX, Inc. for ARCO Alaska, Inc., Anchorage, Alaska; the North Slope Borough, Barrow, Alaska; and City of Nuiqsut, Alaska. 33 pp.
- Moulton, L.L., and M.H. Fawcett. 1984. Oliktok Point Fish Studies, 1983. Report by Woodward-Clyde Consultants for ARCO Alaska, Inc., Anchorage, Alaska. 77 pp.
- Moulton, L.L., and L.J. Field. 1988. Assessment of the Colville River Fall Fishery 1985-1987. Report by Environmental Sciences and Engineering Inc. for ARCO Alaska, Inc., Anchorage, Alaska. 33 pp.
- Moulton, L.L., and L.J. Field. 1991. The 1989 Colville River Fishery. The 1989 Endicott Development Fish Monitoring Program (Vol. III). Report by MJM Research for BP Exploration (Alaska) Inc., Anchorage, Alaska. 60 pp. 320 p.
- Moulton, L.L., and L.J. Field. 1994. The 1992 Colville River Fishery. The 1992 Endicott Development Fish Monitoring Program (Vol. II). Report by MJM Research for BP Exploration (Alaska) Inc., Anchorage, Alaska. 60 p. 53 p.
- Moulton, L.L., and K.E. Tarbox. 1987. Analysis of Arctic Cod Movements in the Beaufort Sea Nearshore Region, 1978-79. Arctic 40:43-49.
- Moulton, L.L., B.J. Gallaway, M.H. Fawcett, W.B. Griffiths, K.R. Critchlow, R.G. Fechhelm, D.R. Schmidt, and J.S. Baker. 1986a. 1984 Central Beaufort Sea Fish Study. Waterflood Monitoring Program Fish Study. Report by ENTRIX, Inc., LGL Ecological Research Associates, Inc., and Woodward-Clyde Consultants for U.S. Army Corps of Engineers, Alaska District, Anchorage, Alaska. 300 pp.
- Moulton, L.L., L.J. Field, and S. Brotherton. 1986b. Assessment of the Colville River Fishery in 1985. In: Colville River Fish Study, 1985 Biological Report, Chapter 3. Report by ENTRIX, Inc. for ARCO Alaska, Inc., Anchorage, Alaska; the North Slope Borough, Barrow, Alaska; and City of Nuiqsut, Alaska. 72 pp.
- Moulton, L.L., L.J. Field, and R. Kovalsky. 1990. The 1988 Endicott Development Fish Monitoring Program. Vol. IV: The 1988 Fall Gill Net Fisheries for Ciscoes in the Colville River, Alaska. Report by Hunter/ESE, Inc. for BP Exploration (Alaska) Inc., Anchorage, Alaska. 36 pp.
- Moulton, L.L., L.C. Lestelle, and L.J. Field. 1992. The 1991 Colville River Fishery. The 1991 Endicott Development Fish Monitoring Program (Vol. III). Report by MJM Research for BP Exploration (Alaska) Inc., Anchorage, Alaska. 49 pp.
- Moulton, L.L., L.C. Lestelle, and L.J. Field. 1993a. The 1991 Colville River Fishery. The 1991 Endicott Development Fish Monitoring Program (Vol. III). Report by MJM Research for BP Exploration (Alaska) Inc., Anchorage, Alaska. 41 pp.
- Moulton, L.L., M. Philo, and J.C. George. 1993b. The Occurrence and Description of Anadromous and Freshwater Fish in Teshekpuk Lake, Alaska, 1990-1992. Barrow, AK: North Slope Borough, 98 pp.

- Moulton, V.D., W.J. Richardson, T.L. McDonald, R.E. Elliott, and M.T. Williams. 2002. Factors Influencing Local Abundance and Haulout Behaviour of Ringed Seals (*Phoca hispida*) on Landfast Ice of the Alaskan Beaufort Sea. *Canadian Journal of Zoology* 80:1900-1917.
- Moulton, V.D., R.E. Elliott, and M.T. Williams. 2003. Fixed-wing Aerial Surveys of Seals near BP's Northstar and Liberty Sites in 2002. In: *Monitoring of Industrial Sounds, Seals, and Bowhead Whales near BP's Northstar Development, Alaskan Beaufort Sea, 1999-2002.*, W.J. Richardson and M.T. Williams, eds. Report from LGL Ltd., King City, ON, and Greeneridge Sciences Inc., Santa Barbara, CA, for BP Exploration (Alaska), Inc., Anchorage, AK, and National Marine Fisheries Service, Anchorage, AK and Silver Springs, MD. pp. 4-1 – 4-3.
- Mull, and J.T. Dillon, 1994. Geology of Northern Alaska. In: *The Geology of North America Vol. G-1, The Geology of Alaska*, G. Plafker and H.C. Berg, eds. Boulder, Colorado: Geological Society of America, Inc. 1055 pp.
- Muller, S.W. 1947. *Permafrost of Permanently Frozen Ground and Related Engineering Problems*. Ann Arbor, MI: J.W. Edwards. 231 pp.
- Murphy, S.M., and A.A. Stickney. 2000. Baseline avian surveys within the National Petroleum Reserve—Alaska, 2000. Report for Phillips Alaska, Inc., Anchorage, by ABR, Inc., Fairbanks, AK. 28 pp.
- Murphy, S.M., and B.A. Anderson. 1993. Lisburne Terrestrial Monitoring Program, The Effects of the Lisburne Development Project on Geese and Swans, 1985-1989. Report for ARCO Alaska, Inc, Anchorage, AK by ABR, Inc., Fairbanks, AK.
- Murphy, S.M., and J.A. Curatolo. 1987. Activity Budgets and Movement Rates of Caribou Encountering Pipelines, Roads, and Traffic in Northern Alaska. *Canadian Journal of Zoology* 65:2483-2490.
- Murphy, S.M., and B.E. Lawhead, 2000. Caribou. In: *The Natural History of an Arctic Oil Field: Development and the Biota*, J.C. Truett and S.R. Johnson, eds. San Diego, CA: Academic Press.
- Murphy, S.M., B.A. Anderson, C.L. Cranor, and C.B. Johnson. 1988. Lisburne Terrestrial Monitoring Program-1987, The Effects of the Lisburne Development Project on Geese and Swans. Report for ARCO Alaska, Inc, Anchorage, AK by ABR, Inc., Fairbanks, AK.
- Murphy, S.M., D.E. Russell, and R.G. White. 2000. Modeling the Energetic and Demographic Consequences of Caribou Interactions with Oil Development in the Arctic. *Rangifer* Special Issue No. 12:107-109.
- Myers, G. 1949. Use of Anadromous, Catadromous and Allied Terms for Migratory Fishes. *Copeia* 1949: 89-96.
- Myres, M.T. 1958. Preliminary Studies of the Behaviour, Migration, and Distributional Ecology of Eider Ducks in Northern Alaska, 1958. Unpublished report, Department of Zoology, University of British Columbia.
- Nageak, B.P. 1998. Letter dated March 12, 1998. From B.P. Nageak, Mayor, North Slope Borough, to B. Babbitt, Secretary of the Interior. Subject: comments on the NPR-A IAP/EIS.
- Napageak, T. 1996. Beaufort Sea Oil and Gas Development Northstar EIS Project, Nuiqsut Whaling Captains' Meeting, Nuiqsut, Alaska, August 14, 1996. Dames & Moore and Stephen R. Braund & Associates. Anchorage, Alaska.
- National Energy Policy Development Group. 2001. *National Energy Policy: Reliable, Affordable, and Environmentally Sound Energy for America's Future*. Washington, D.C.: U.S. Government Printing Office.
- Neff, J.M. 1991. Long-Term Trends in the Concentrations of Polycyclic Aromatic Hydrocarbons in the Water Column of Prince William Sound and the Western Gulf of Alaska Following the Exxon Valdez Oil Spill. In: *Fourteenth Annual Arctic and Marine Oilspill Program Technical Seminar*. Vancouver, BC, Canada, June 12-14, 1991. Ottawa, Ont., Canada: Environment Canada, pp. 27-38.
- Nellemann, C., and R.D. Cameron. 1996. Effects of Petroleum Development on Terrain Preferences of Calving Caribou. *Arctic* 49:23-28.

- Nellemann, C., and R.D. Cameron. 1998. Cumulative Impacts of an Evolving Oil-field Complex on the Distribution of Calving Caribou. *Canadian Journal of Zoology* 76:1425-1430.
- Nelson, G. L. and J.A. Munter, 1990. Ground Water. In: *Cold Regions Hydrology and Hydraulics*, W. L. Ryan and R.D. Crissman, eds. Technical Council on Cold Regions Engineering Monograph: American Society of Civil Engineers, pp. 317-348.
- Nelson, K. 2003. Arctic Platform in Place, Anadarko Drilling Hydrate Well From Raised, Modular System. *Petroleum News*. Vol. 8, No. 14. April 6. <http://www.petroleumnews.com/pnarch/030406-27.html>.
- Nelson, R.K. 1969. *Hunters of the Northern Ice*. Chicago and London: University of Chicago Press.
- Nerini, M.K., H. W. Braham, W.M. Marquette, and D.J. Rugh. 1984. Life History of the Bowhead Whale, *Balaena mysticetus* (Mammalia: Cetacea). *Journal of Zoology*, London 204:443-468.
- Netsch, N. E. Crateau, G. Love, and N. Swanton. 1977. Freshwater Fisheries Reconnaissance of the Coastal Plain of National Petroleum Reserve-Alaska (NPR-A), July and August 1977. U.S. Fish and Wildlife Service, Anchorage, Alaska. 35 pp. + Append.
- Newbury, T.K. 1983. Under Landfast Ice. *Arctic* 36:328-340.
- Nielson, J.M. 1977. Beaufort Sea Study – Historic and Subsistence Site Inventory: A Preliminary Cultural Resource Assessment. North Slope Borough. Barrow, Alaska.
- Noel, L.E. 1999. Calving Caribou Distribution in the Teshekpuk Lake Area, June 1998. Final report to BP Exploration (Alaska) Inc., by LGL Alaska Research Associates, Inc. 31 pp.
- Noel, L.E. 2000. Calving Caribou Distribution in the Teshekpuk Lake Area, June 1999. Final report to BP Exploration (Alaska) Inc., by LGL Alaska Research Associates, Inc. 29 pp.
- Noel, L.E., and J.C. George. 2003. Caribou Calving Distribution in the Northeast National Petroleum Reserve-Alaska, June 1998-2000. *Rangifer* Special Issue: Proceedings of the 9th American Caribou Workshop, Kuujuaq, Quebec, Canada, 23-27. vol. 14:153-161.
- Noel, L.E., C.T. Schick, and S.R. Johnson. 1996. Quantification of Habitat Alterations and Bird Use of Impoundments in the Prudhoe Bay Oil Field, Alaska, 1994. Report prepared for BP Exploration (Alaska), Anchorage, AK by LGL Alaska Research Associates, Inc., Anchorage, AK.
- Noel L.E., K. R. Parker, and M. A. Cronin 2004. Caribou Distribution Near an Oilfield Road on Alaska's North Slope, 1978-2001. *Wildlife Society Bulletin*, 32 (in press).
- Noel, L.E., R.H. Pollard, W.B. Ballard, and M.A. Cronin. 1998. Activity and Use of Active Gravel Pads and Tundra by Caribou, *Rangifer tarandus granti*, within the Prudhoe Bay Oil Field, Alaska. *Canadian Field Naturalist* 112:400–409.
- Noel, L.E., M.J. Nemeth, and B. Streever. 2002a. Caribou Movement in Riparian Areas Crossed by the Badami Pipeline, Arctic Coastal Plain, Alaska, Summer 2001. In: *Arctic Coastal Plain Caribou Distribution, Summer 2001*, M.A. Cronin, ed. Final Report for BP Exploration (Alaska), Inc., by LGL Alaska Research Associates, Inc., Anchorage, Alaska, pp. 41-54.
- Noel, L.E., G.M. O'Doherty, and S.R. Johnson. 2002b. Nesting Status of the Common Eider and the Glaucous Gull in the Central Alaskan Beaufort Sea 2002. Report prepared for BP Exploration (Alaska), Inc., by LGL Alaska Research Associates, Inc., Anchorage, Alaska, 80 pp.
- Noel, L.E., G.M. O'Doherty, R.J. Rodrigues, and B. Haley. 2002c. Pre-nesting, Brood-rearing, and Molting Waterfowl Southeast of Teshekpuk Lake, National Petroleum Reserve-Alaska, Summer 2001. Prepared by LGL Alaska Research Associates, Inc., Anchorage, AK, for BP Exploration (Alaska) Inc. 58 pp.

- Noel, L.E., S.R. Johnson, and G.M. O'Doherty. 2002d. The Status of Snow Geese in the Sagavanirktok River Delta Area, Alaska: 2001 Monitoring Program. Report for BP Exploration (Alaska) Inc. by LGL Alaska Research Associates, Inc., Anchorage, Alaska. 40 pp.
- Noel, L.E. and T.L. Olson. 1999a. Bullen Point to Staines River Large Mammal Distribution, Summer 1998, Prepared for BP Exploration (Alaska) Inc., May 26, 1999.
- Noel, L.E. and T.L. Olson. 1999b. Large Mammal Distribution, Summer 1998, Prepared for BP Exploration (Alaska) Inc., July 8, 1999.
- Noel, L.E., K. Parker, and M.A. Cronin. Submitted. Caribou Distribution Near an Oilfield Road on Alaska's North Slope, 1978-2001. Wildlife Society Bulletin.
- Noel, L.E., R.J. Rodrigues, and S.R. Johnson. 2001. Pre-nesting, Brood-rearing, and Molting Waterfowl in the NPR-A Planning Area, Summer 2000. Prepared by LGL Alaska Research Associates, Inc., Anchorage, AK, for BP Exploration (Alaska) Inc. 68 pp.
- NORCOR Engineering and Research. 1975. The Interaction of Crude Oil with Arctic Sea Ice. Beaufort Sea Technical Report No. 27. Victoria, BC: Canada, Department of the Environment, Beaufort Sea Project, 145+ pp.
- North, M.R. 1986. Breeding Biology of Yellow-billed Loons on the Colville River Delta, Arctic Alaska. M.S. thesis. Fargo, ND: North Dakota State University of Agriculture and Applied Science. 109 pp.
- North, M.R. 1994. Yellow-billed Loon (*Gavia adamsii*). In: The Birds of North America, No. 121, A Poole and F. Gill, eds. Philadelphia: The Academy of Natural Sciences and Washington, D.C.: The American Ornithologists' Union.
- North, M.R. and M.R. Ryan. 1988. Yellow-Billed Loon, *Gavia adamsii*, Breeding Chronology and Reproductive Success in Arctic Alaska. Canadian Field-Naturalist 102:485-490.
- North Slope Borough Planning Department/GIS. Inupiat-English Map of the North Slope Borough. 1:1,584,000. Barrow, Alaska, Revised 1997.
- North Slope Buried Pipeline Study Team. 2003. North Slope Buried Pipelines Study: Final Report. Submitted by North Slope Buried Pipeline Study Team, November 2003: 71 pp + Appendices.
- Norton, D. and G. Weller. 1984. The Beaufort Sea: Background, history, and perspective. In: The Alaskan Beaufort Sea: Ecosystems and Environments, eds. Barnes, Peter W. and Donald M. Schell and Erk Reimnitz, Academic Press, Inc. 465 pp.
- Norton et al. In press. Cited in Alaska Marine Mammal Stock Assessments, 2001. R.D. Angliss, D.P. DeMaster, and A.L. Lopez. U.S. Department of Commerce, NOAA Tech Memo. NMFS-AFSC-124. 203 pp.
- Nottingham, D., and A.B. Christopherson, 1983. Design Criteria for Driven Piles in Permafrost. 33 pp..
- Nowacki G., P. Spencer, M. Fleming, T. Brock, and T. Jorgenson. 2001. Unified Ecoregions of Alaska: 2001. Open File Report 02-297. U.S. Geological Survey.
- Nowlin, R.A. 1999. GMUs 26B and 26C Central and Eastern Arctic Slope. In: Management Report of Survey-Inventory Activities, 1 July 1996-30 June 1998. Muskox, M.V. Hicks, ed.. Federal Aid in Wildlife Restoration Progress Report, Projects W-24-5 and W-27-1, Study 16.0. Juneau, AK: ADF&G.
- NRC (National Research Council). 2003. Cumulative Environmental Effects of Oil and Gas Activities on Alaska's North Slope. Prepublication Copy. The National Academic Press, Washington, D.C.
- NRCS (Natural Resources Conservation Service). Soils web site. [Online] Available <http://soils.usda.gov>.
- NSB (North Slope Borough). 1995. North Slope Borough 1993/1994 Economic Profile and Census Report, Vol. VII. Barrow, AK: NSB, Dept. of Planning and Community Services.

- NSB. 1998. Economic Profile and Census Report. Barrow, AK: North Slope Borough.
- NSB. 1999. North Slope Borough 1998/99 Economic Profile and Census Report. Vol. VIII. Barrow, AK: NSB, Dept. of Planning and Community Services.
- NSB. 2001. Comprehensive Annual Financial Report of the North Slope Borough, Alaska: July 1, 2000-June 30, 2001.
- NSB. 2003a. Village Areas of Influence, from the North Slope Borough Comprehensive Plan, Public Review Draft. [Online] Available [www.co.north-slope.ak.us/gis/mainprojects/graphics/nsb\\_vilareas.jpg](http://www.co.north-slope.ak.us/gis/mainprojects/graphics/nsb_vilareas.jpg), February.
- NSB. 2003b. A Review of Oil Spill Risk Estimates Based on Current Offshore Development Technologies. Prepared by North Slope Borough Science Advisory Committee. NSB-SAC-OR-130.
- NSB Commission on History and Culture. 1980. Qiniqtuagaksrat Utuqqanaat Inuuniagninisiqu: The Traditional Land Use Inventory for the Mid-Beaufort Sea, Volume 1. North Slope Borough, Commission on History and Culture. Barrow, Alaska.
- NSB Contract Staff. 1979. Native Livelihood and Dependence. A Study of Land Use Values Through Time. Prepared for the U.S. Department of the Interior National Petroleum Reserve in Alaska 105(C), Work Group 1, Field Study 1, Anchorage, Alaska.
- NSB Department of Wildlife Management. 2003. Unpublished Nuiqsut subsistence harvest data, 1994-1995, 2000, and 2001.
- Nukapigak. 2004. Personal communication between J. Nukapigak and J. Ducker (BLM), February 2004.
- Oasis (Oasis Environmental, Inc.). 2001. Winter Measurement of Water Quality and Water Levels: The Effects of Water Withdrawal for Ice Road Construction on Lakes of the NPR-A. Prepared by Oasis for British Petroleum Exploration-Alaska. Anchorage, Alaska.
- O'Brien, W.J., M. Bahr, A.E. Hershey, J.E. Hobbie, G.W. Kipphut, G.W. Kling, H. Kling, M. McDonald, M.C. Miller, P. Rublee, and J.R. Vestal. 1995. The Limnology of Toolik Lake. In: Freshwaters of Alaska: Ecological Synthesis, A.M. Milner and M.W. Oswood, eds. New York: Springer-Verlag, pp. 61-105.
- Obritschkewitsch, T., P.D. Martin, and R.S. Suydam. 2001. Breeding Biology of Steller's Eiders Nesting near Barrow, Alaska, 1999-2000. Technical Report NAES-TR-01-04. Fairbanks AK: USDOI, FWS, Ecological Services.
- OCC Ltd. and ARCO Alaska, Inc. 1998. Alpine Project Oil Spill Strategy and Response Studies, Final Report. January.
- Oceanweather, Inc. 1982. Harrison Bay Extreme Value Contour Analysis. Cos Cob, Connecticut. Referenced in Coastal Frontiers. 2002.
- Oceanweather, Inc., and Tekmarine, Inc. 1983. Ocean Conditions, Wave Run-up, Overtopping, and Slope Armor Stability Study, Endicott Project. Vicksburg Mississippi. 36 pp. Referenced in Coastal Frontiers. 2002.
- Office of Naval Research, Arctic Research Commission. 2004. <http://www.natice.noaa.gov/icefree/Arcticscenario.pdf>.
- Office on Women's Health. 2001. Surgeon General's Report on Women and Smoking. American Indian or Alaska Native Women and Smoking. [Online] Available [http://www.4woman.gov/owh/pub/factsheets/smoking\\_native.htm](http://www.4woman.gov/owh/pub/factsheets/smoking_native.htm).
- OHM Remediation Services Corp. 2000. Final Remedial Action Report, Kogru DEW Line Station, Alaska. Prepared for the U.S. Army Corps of Engineers. October.
- Oldham, K. n.d. Nuiqsut and Kaktovik Subsistence Harvest Sites (Part A: Literature Review). Contract No. 14-35-0004-60129.

- Orth, D.J. 1971. Dictionary of Alaska Placenames. Reprint with minor revisions. Geological Survey Professional Paper 567. U.S. Government Printing Office. Washington, D.C.
- Ott, A.G. 1997. Letter dated Aug. 20, 1997, to Johanna Munson, State NPR-A Representative from A.G. Ott, Regional Supervisor, Habitat and Restoration Division, State of Alaska, Department of Fish and Game.
- PAI (Phillips Alaska, Inc.) 2001. Colville River Unit Satellite Development Environmental Evaluation Document.
- PAI. 2002a. Colville River Unit Satellite Development Environmental Evaluation Document. Revised June 2002.
- PAI. 2002b. NPR-A Rendezvous Development Conceptual Design Pipeline Bridge Study. Final Report. March 26.
- PAI. 2002c. NPR-A Facility and Operations Studies, #9 Infrastructure. May 8.
- PAI. 2002d. Oil Spill Strategy and Response Studies for the Channels of the Colville River Delta Region, Alaska. Prepared by Polaris Applied Sciences, Inc. May 2002.
- PAI and BP Exploration (Alaska). 2002. Alaska Waste Disposal and Reuse Guide, Revision 6. August 2002.
- Palmer, R., ed. 1976. Handbook of North American Birds. New Haven CT: Yale University Press.
- Parametrix, Inc. et. al. 1996. Alpine Development Project: Environmental Evaluation Document. Prepared for the U.S. Army Corps of Engineers, October.
- Park, J., T.L. Wade, and S. Sweet. 1999. Atmospheric Deposition of Organic Contaminants to Galveston Bay, Texas. Galveston Bay National Estuary Program Proceedings, State of the Bay Symposium IV. Publication GBNEP-T3. January 28-29, 1999. [Online] Available [http://gbep.tamug.tamu.edu/gbepubs/T3/gbnepT3\\_287-292.pdf](http://gbep.tamug.tamu.edu/gbepubs/T3/gbnepT3_287-292.pdf).
- Payne, J.R., G.D. McNabb, L.E. Hachmeister, B.E. Kirstein, J.R. Clayton, C.R. Phillips, R.T. Redding, C.R. Clary, G.S. Smith, and G.H. Farmer. 1987. Development of a Predictive Model for Weathering of Oil in the Presence of Sea Ice. OCS Study, MMS 89-0003. Anchorage, AK: MMS and NOAA, OCSEAP.
- Payne, J.R., G.D. McNabb, and J.R. Clayton. 1991. Oil Weathering Behavior in Arctic Environments. In: Proceedings from the Pro Mare Symposium on Polar Marine Ecology, Trondheim, Norway, May 12-16, 1990, pp. 631-662.
- Payne, J., S. Guyer, and B. Keating. n.d. The Impact of Ice Roads on Tundra Ecosystems, National Petroleum Reserve, Alaska (NPR-A) (Abstract). In: Draft Proceedings of a Workshop on Impacts of Winter Exploration Activities on Tundra Soils and Vegetation of Alaska's North Slope, D. Yokel, ed. U.S. Bureau of Land Management, Fairbanks, AK.
- Pearce, J.M., D. Esler, and A.G. Degryarev. 1998. Nesting Ecology of Spectacled Eiders (*Somateria fischeri*) on the Indigirka River Delta, Russia. *Wildfowl* 49:110-123.
- Pedersen, S. n.d. Nuiqsut Subsistence Harvest Data. Unpublished.
- Pedersen, S. 1979. Regional Subsistence Land Use, North Slope Borough, Alaska. Occasional Paper No. 21, Anthropology and Historic Preservation Cooperative Park Studies Unit, University of Alaska, Fairbanks, Alaska, and Conservation and Environmental Protection, North Slope Borough, Alaska.
- Pedersen, S. In preparation. North Slope Subsistence Data Atlas, Nuiqsut Map Series, Extent of Land Use by Nuiqsut Residents Circa 1973-1986. Fairbanks, AK: ADF&G Subsistence Division.
- Pedersen, S. (ADF&G Division of Subsistence ). 2004. Personal Communication, Stephen R. Braund & Associates. Email dated 7 May 2004.
- Pedersen, S., and N.S. Shishido. 1988. Subsistence Study at Nuiqsut. Report by ADF&G, Division of Subsistence, Fairbanks, Alaska. Cited in Craig, P.C., 1980b.

- Pedersen, S., R.J. Wolfe, C. Scott, and R.A. Caulfield. 2000. Subsistence Economies and Oil Development: Case Studies from Nuiqsut and Kaktovik, Alaska. Final report prepared by ADF&G, Division of Subsistence, and the University of Alaska, Fairbanks, Department of Alaska Native and Rural Development.
- Pedersen S. and J. Taalak. 2001. 1999-2000 Subsistence Harvest of Caribou and other Big Game Resources in Nuiqsut, Alaska. ADF&G Division of Subsistence Technical Paper No. (In prep.) Open File Report. April 2001.
- Peltz, L. (NOAA Fisheries, Anchorage, Alaska). 2003. Personal communication, September 11.
- Percy, R.J. 1975. Fishes of the Outer Mackenzie Delta. Freshwater Institute, Fisheries and Marine Service, Environment Canada, Beaufort Sea Technical Report 8. 114 pp.
- Petersen, M. 1980. Observations of Wing-Feather Molt and Summer Feeding Ecology of Steller's Eiders at Nelson Lagoon, Alaska. *Wildfowl* 31:99-106.
- Petersen, M.R. 1981. Populations, Feeding Ecology and Molt of Steller's Eiders. *Condor* 83:256-262.
- Petersen, M.R., D.R. Douglas, and D.M. Mulcahy. 1995. Use of Implanted Satellite Transmitters to Locate Spectacled Eiders at-Sea. *The Condor* 97:276-278.
- Petersen, M.R., J.B. Grand, and C.P. Dau. 2000. Spectacled Eider (*Somateria fischeri*). In: *Birds of North America*, No. 547, A. Poole and F. Gill, eds.
- Petersen, M.R., W.W. Larned, and D.C. Douglas. 1999. At-sea Distribution of Spectacled Eiders: A 120-year-old Mystery Resolved. *Auk* 116(4):1009-1020.
- Peterson, K.M., and W.D. Billings. 1978. Geomorphic Processes and Vegetation Change Along the Meade River Sand Bluffs in Northern Alaska. *Arctic* 31:7-23.
- Peterson, K.M., and W.D. Billings. 1980. Tundra Vegetational Patterns and Succession in Relation to Microtopography Near Atkasook, Alaska. *Arctic and Alpine Research* 12:473-481.
- Pewe, T.L. 1966. Permafrost and Its Effect on Life in the North. Corvallis: Oregon State University Press. 40 pp.
- Phillips, R.L. 1990. Summary of Late Cretaceous Environments near Ocean Point, North Slope, Alaska. In: *Geologic Studies in Alaska by the U.S. Geological Survey, 1989*. J.H. Dover and J.P. Galloway, eds. U.S. Geological Survey Bulletin 1946.
- Philo, L.M., J.C. George, and L.L. Moulton. 1993a. The Occurrence and Distribution of Anadromous and Freshwater Fish in Teshekpuk Lake, Alaska, 1990-1992. Department of Wildlife Management, North Slope Borough, Barrow, Alaska. 77 pp. +Append.
- Philo, L.M., J.C. George, and L.L. Moulton. 1993b. The Occurrence and Description of Anadromous Fish in Dease Inlet/Admiralty Bay, Alaska Area, 1988-1990. Report by Department of Wildlife Management North Slope Borough, Barrow, Alaska. 150 pp.
- Philo, L.M., E.B. Shotts, Jr., and J.C. George. 1993c. Morbidity and Mortality, pp. 275-312. In: *The Bowhead Whale*. J.J. Burns, J.J. Montague, and C.J. Cowles, eds. Lawrence, KS: The Society for Marine Mammalogy.
- Philo, L.M., G.M. Carroll, and D.A. Yokel. 1993d. Movements of Caribou in the Teshekpuk Lake Herd as Determined by Satellite Tracking: 1990-1993. Department of Wildlife Management, North Slope Borough, Barrow, AK. 60 pp.
- Pickering, J. (PN&D). 2004. Personal communication with S. Wilbur, ENTRIX, Inc. April.
- Ping, C.L., J.G. Bockheim, J.M. Kimble, G.J. Michaelson, and D.A. Walker. 1998. Characteristics of cryogenic soils along a latitudinal transect in Arctic Alaska. *Journal of Geophysical Research*, Vol. 103 No. D22. November 22. PN&D (Peratrovich, Nottingham & Drage, Inc.). 2002a. NPRA Rendezvous Development Conceptual Design Vehicle Bridge Study. Submitted to Phillips Alaska, Inc. April.

- Plog, Barbara A. (editor). 1988. Fundamentals of Industrial Hygiene. Third Edition. National Safety Council. PN&D. 2002b. NPR-A Rendezvous Development Conceptual Road Plan Study. Submitted to Phillips Alaska, Inc. April.
- PN&D. 2002c. NPRA Rendezvous Development, Road and Pad Construction, Materials Study. February. Appendix G in Roads, Bridges, Dock & Gravel Study – Roads, ConocoPhillips Alaska, Inc., n.d..
- PN&D. 2004. Power Point Presentation. Alpine Satellite Development Plan. March 8, 2004
- Pollard, R.H., R. Rodrigues, and R.C. Wilkinson. 1989. Wildlife use of disturbed habitats in arctic Alaska. Report prepared by LGL Alaska Research Associates, Inc., Anchorage, AK, for BP Exploration (Alaska) Inc., Anchorage, AK.
- Pollard, R.H., W.B. Ballard, L.E. Noel, and M.A. Cronin. 1996a. Parasitic Insect Abundance and Microclimate of Gravel Pads and Tundra within the Prudhoe Bay Oilfield, Alaska, in Relation to Use by Caribou, *Rangifer tarandus granti*. Canadian Field-Naturalist 110:649-658.
- Pollard, R.H., W.B. Ballard, L.E. Noel, and M.A. Cronin. 1996b. Summer Distribution of Caribou, *Rangifer tarandus granti*, in the Prudhoe Bay Oil Field, Alaska, 1990–1994. Canadian Field-Naturalist 110:659-674.
- Porsild, A.E. 1945. Mammals of the Mackenzie Delta. Canadian Field-Naturalist 59:4-22.
- Porter, E. 1991. Inupiat Place Names Across the Mid-Beaufort Sea. Unpublished manuscript.
- Prentki, R.T., M.C. Miller, R.J. Barsdate, V. Alexander, J. Kelly, and P. Coyne. 1980. Chemistry of the Ponds. In: Limnology of Tundra Ponds, Barrow, Alaska, J.E. Hobbie, ed. US/IBP Synthesis Series, 13. Stroudsburg, PA: Dowden, Hutchinson, and Ross, pp. 76-178.
- Prichard, A.K., S.M. Murphy, and M.D. Smith. 2001. Analysis and Mapping of Satellite Telemetry Data for the Teshekpuk Caribou Herd 1990-1999 with a Note on Five Western Arctic Caribou. Prepared for NSB Department of Wildlife Management, ADF&G, and the BLM.
- Proshutinsky, A.Y., and M. Johnson. 2001. Two Regimes of the Arctic's Circulation from Ocean Models with Ice and Contaminants. Marine Pollution Bulletin 43:1-6:61-70.
- Pullman, E.R., and B.E. Lawhead. 2002. Snow Depth Under Elevated Pipelines in Western North Slope Oilfields. Final report prepared for Phillips Alaska, Inc., Anchorage, by ABR, Inc. Environmental Research & Services, Fairbanks.
- Pullman, E.R., T.M. Jorgenson, T.C. Cater, W.A. Davis, and J.A. Roth. 2003. Assessment of Ecological Effects of the 2002-2003 Ice Road Demonstration Project. Final report prepared for ConocoPhillips Alaska, Inc., Anchorage, by ABR, Inc. Environmental Research & Services, Fairbanks, Alaska. 39 pp.
- Purves, F. 1978. The Interaction of Crude Oil and Natural Gas with Laboratory-Grown Saline Ice. Environment Canada, Report No. EPS-4-EC-78-9. ARCTEC Canada Ltd.
- Quakenbush, L.T. 1988. Spotted Seal, *Phoca largha*. In: Selected Marine Mammals of Alaska. Species Accounts with Research and Management Recommendations, J.W. Lentfer, ed. Washington, D.C.: Marine Mammal Commission.
- Quakenbush, L., and J.F. Cochrane. 1993. Report on the Conservation Status of the Steller's Eider (*Polysticta stelleri*), a Candidate Threatened and Endangered Species. Unpublished report, USFWS, 1011 East Tudor Road, Anchorage, AK 99503-6199.
- Quakenbush, L., and R. Suydam. 1999. Periodic Nonbreeding of Steller's Eiders near Barrow, Alaska, with Speculations on Possible Causes in Behaviour and Ecology of Sea Ducks, R.I. Goudie, M.R. Petersen, and G.J. Robertson, eds. Canadian Wildlife Service Occasional Paper 100, pp. 34-40.

- Quakenbush, L., R.S. Suydam, K.M. Fluetsch, and C.L. Donaldson. 1995. Breeding Biology of Steller's Eiders Nesting Near Barrow, Alaska, 1991-1994. Technical Report NAES-TR-95-03. Fairbanks, AK: USDO, FWS, 53 pp.
- Quakenbush, L., R. Suydam, K. Fluetsch, and T. Obritschkewitsch. 1998. Breeding habitat use by Steller's eiders near Barrow, Alaska, 1991-1996. Unpublished report prepared for U.S. Fish and Wildlife Service, Fairbanks, Alaska. 19 pp.
- Quakenbush, L.T., R.H. Day, B.A. Anderson, F.A. Petelka, and B.J. McCaffery. 2002. Historical and Present Breeding Season Distribution of Steller's Eiders in Alaska. *Western Birds* 33:99-120.
- Ratynski, R.A. 1983. Mid-Summer Ichthyoplankton Populations of Tuktoyaktuk Harbour, N.W.T. Canadian Technical Report of Fisheries and Aquatic Sciences 1218. 21 pp.
- Rawlinson, S.E. 1993. Surficial geology and morphology of the Alaskan Central Arctic Coastal Plain. Alaska Division of Geology and Geophysical Survey, Fairbanks. Report of Investigations 93-1. 172 pp.
- Ray, S.R., and J.W. Aldrich. 1996. Part 1: Spring Breakup. In: M.T. Jorgenson, J.W. Aldrich, S.R. Ray, E.R. Pullman, Y. Shur, M.D. Smith, A.A. Stickney, and H.J. Walker. 1996. Geomorphology and hydrology of the Colville River Delta, Alaska, 1995. Volume 1. Unpublished fourth annual report by ABR, Inc., Shannon and Wilson, Inc., and Louisiana State University to ARCO Alaska, Inc., and Kuukpik Unit Owners, Anchorage, AK. Pages 5-9.
- Rea, C. (CPAI). 2003. Personal communication with Entrix, Inc. ASDP EIS team, April 17.
- Rea, C. (CPAI). 2004. Personal communication with Entrix, Inc. ASDP EIS team, January 26.
- Reanier, R.E. 1996. "Putu and Bedwell." *American Beginnings: The Prehistory and Paleoecology of Beringia*, F. West, ed. London: University of Chicago Press.
- Reanier, R.E. 2000. Archaeological and Cultural Resources Reconnaissance in the Phillips Alaska Exploration Area, National Petroleum Reserve, Alaska, for the Year 2000. For Phillips Alaska, Inc.
- Reanier, R.E. 2002. Archaeological and Cultural Resources Reconnaissance in the Phillips Alaska Exploration Area, National Petroleum Reserve, Alaska, for the Year 2001. For Phillips Alaska, Inc.
- Reanier and Associates. 2000. Year 2000 Lake Studies in the Phillips Exploration Area, National Petroleum Reserve—Alaska. Prepared for Phillips Alaska, Inc.
- Reed, A., D.H. Ward, D.V. Derksen, and J.S. Sedinger. 1998. Brant (*Branta bernicla*). In: *The Birds of North America*, No. 337, A. Poole and F. Gill, eds. Philadelphia: The Birds of North America, Inc.
- Reed, E.B. 1956. Notes on Some Birds and Mammals of the Colville River, Alaska. *Canadian Field-Naturalist* 70:130-136.
- Reimnitz, E., and D.K. Mauer. 1979. Effects of Storm Surges on the Beaufort Sea Coast. *Arctic* 32:329-344.
- Reist, J.D., J.D. Johnson, and T.J. Carmichael. 1997. Variation and Specific Identity of Char from Northwestern Arctic Canada and Alaska. *American Fisheries Society Symposium* 19:250-261.
- Research Foundation of the State University of New York. 1984. *Ethnographic Study and Monitoring Methodology of Contemporary Economic Growth, Socio-cultural Change and Community Development in Nuiqsut, Alaska*: Prepared for Minerals Management Service, Alaska Outer Continental Shelf Region, Leasing and Environment Office, Social and Economic Studies Unit. Anchorage, AK, and The Service ; Springfield, Va.
- Reub, G.S., J.D. Durst, and D.R. Glass. 1991. Fish Distribution and Abundance. In: *Endicott Environmental Program, Final Reports, 1987. Part IV, Chapter 1, Volume 6. Report by EnviroSphere Company for U.S. Army Corps of Engineers, Alaska District, Anchorage, Alaska.* 60 pp.
- Reynolds, H.V. 1979. Population Biology, Movements, Distribution, and Habitat Utilization of a Grizzly Bear Population in NPR-A, pp. 129-182. In: *Studies of Selected Wildlife and Fish and Their Habitat on and Adjacent to National*

- Petroleum Reserve in Alaska (NPR-A), 1977-1978, P.C. Lent, ed. Volume 1, Work Group 3, Field Study 3. U.S. Department of the Interior, Anchorage, AK. 226 pp.
- Reynolds, H.V., J.A. Curatolo, and R. Quimby. 1976. Denning Ecology of Grizzly Bears in Northeastern Alaska, International Union for the Conservation of Natural Resources, New Series 40:403-409.
- Reynolds, P.E. 1992. Population Dynamics of Muskoxen on the Arctic Coastal Plain: Productivity and Dispersal as a Natural Regulator of Population Size in the 1002 Area of the Arctic National Wildlife Refuge. Work Subunit IVb. In: Terrestrial Research: 1002 Area – Arctic National Wildlife Refuge, Interim Report, 1988-1990, T.R. McCabe, B. Griffith, N.E. Walsh, and D.D. Young, eds. Anchorage, Alaska: U.S. Fish and Wildlife Service. pp. 148-164.
- Reynolds, P.E. 1998. Dynamics and Range Expansion of a Reestablished Muskox Population. *Journal of Wildlife Management* 62:734-744.
- Reynolds, P.E., H.V. Reynolds, and E.H. Follmann. 1986. Responses of Grizzly Bears to Seismic Surveys in Northern Alaska. *International Conference Bear Research and Management*. 6169-75.
- Reynolds, P.E., K.J. Wilson, and D.R. Klein. 2002. Muskoxen. In: Arctic Refuge Coastal Plain Terrestrial Wildlife Research Summaries, D.C. Douglas, P.E. Reynolds, and E.B. Rhode, eds. U.S. Geological Survey, Biological Resources Division, Biological Science Report USGS/BRD/BSR-2002-0001. pp. 54-64.
- Rice, S.D., A. Moles, T.L. Taylor, and J.F. Karinen. 1979. Sensitivity of 39 Alaskan Marine Species to Cook Inlet Crude Oil and No. 2 Fuel Oil. In: Proceedings of the 1979 Oil Spill Conference, Los Angeles, Calif., Mar. 19-22, 1979. Washington, DC: American Petroleum Institute, pp. 549-554.
- Richard, P.R., M.P. Heidi-Jorgensen, J.R. Orr, R. Deitz, and T.G. Smith. 2001. Summer and Autumn Movements of Belugas of the Eastern Beaufort Sea Stock. *Arctic* 54 (3): 223-236.
- Richardson, W.J., ed. 1987. Importance of the Eastern Alaskan Beaufort Sea to Feeding Bowhead Whales, 1985-86. OCS Study MMS 87-0037. Report prepared by LGL Ecological Research Associates, Inc. for U.S. Minerals Management Service, Reston, VA.
- Richardson, W. J., C. R. Greene, Jr., C. I. Malme and D. H. Thomson. 1995. *Marine Mammals and Noise*. Academic Press. San Diego, CA.
- Richardson, W.J., and D.H. Thomson, eds. 2002. Bowhead Whale Feeding in the Eastern Alaskan Beaufort Sea: Update of Scientific and Traditional Information. OCS Study MMS 2002-012; LGL Rep. TA2196-7. Report from LGL Limited, King City, Ontario for United States Minerals Management Service, Anchorage, Alaska and Hernandon Virginia. Volume 1 xliv+420 p; Volume 2, 277 pp.
- Rieger, S., D.B. Schoephorster, and C.E. Furbush. 1979. Exploratory Soil Survey of Alaska. U.S. Department of Agriculture, Soil Conservation Service. 213 pp.
- Ritchie, R.J. 1991. Effects of Oil Development on Providing Nesting Opportunities for Gyrfalcons and Rough-legged Hawks in Northern Alaska. *Condor* 93:180-184.
- Ritchie, R.J. 2003. E-mail about Golden Eagles breeding in the Northeast NPR-A, September 24.
- Ritchie, W. and H.J. Walker, 1974. Riverbank forms of the Colville River Delta. Technical Report No. 187. Reprinted from: The Coast and Shelf of the Beaufort Sea J.C. Reed and J.E. Sater, eds. The Arctic Institute of North America, Arlington, VA. pp. 545-562.
- Ritchie, R.J., and J.G. King. 2000. Tundra Swan. In: The Natural History of an Arctic Oil Field: Development and the Biota, J.C. Truett and S.R. Johnson, eds. San Diego, CA: Academic Press.
- Ritchie, R.J. and J.G. King. 2002. Steller's Eider Surveys near Barrow and the Meade River, Alaska, 2001. Final report. Fairbanks, AK: ABR, Inc., 19 pp.

- Ritchie, R.J. and J.G. King. 2003. Steller's Eider Surveys near Barrow, Alaska, 2002. Annual Report. Fairbanks AK: ABR, Inc., 18 pp.
- Ritchie, R.J., and A.M. Wildman, 2002. Aerial Surveys of Cliff-nesting Raptors in the National Petroleum Reserve-Alaska (NPR-A), 1999. Prepared by ABR, Inc., Fairbanks, AK, for the BLM, Fairbanks, AK.
- Ritchie, R.J., R.M. Burgess, and R.S. Suydam. 2002. Status and Nesting Distribution of Lesser Snow Geese and Brant on the Western Arctic Coastal Plain, Alaska. *Canadian Field-Naturalist* 114:395-404.
- Ritchie, R.J., J.G. King, A.A. Stickney, B.A. Anderson, J.R. Rose, A.M. Wildman, and S. Hamilton. 2002a. Population Trends and Productivity of Tundra Swans on the Central Arctic Coastal Plain, Northern Alaska, 1989-2000. *Waterbirds* 25:22-31.
- Ritchie, R.J., P. Lovely, and M.J. Knoche. 2002b. Aerial Surveys for Nesting and Brood-rearing Brant and Snow Geese, Barrow to Fish Creek Delta and Snow Goose Banding near the Ikpikpuk River Delta, Alaska, 2001. Final Report by ABR, Inc., Fairbanks, AK, for NSB Department of Wildlife Management, Barrow, AK.
- Robbins, C.R., R.M. Bailey, C.E. Bond, J.R. Brooker, E.A. Lachner, R.N. Lea, and W.B. Scott. 1980. A List of Common and Scientific Names of Fishes from the United States and Canada, 4th edition, American Fisheries Society, Special Publication 12. 174 pp.
- Robbins, C.R., R.M. Bailey, C.E. Bond, J.R. Brooker, E.A. Lachner, R.N. Lea, and W.B. Scott. 1991. Common and Scientific Names of Fishes from the United States and Canada, 5th edition, American Fisheries Society, Special Publication 20. 183 pp.
- Robus, M.A. 1984. Summer Food Habits of Musk Oxen in Northeastern Alaska. pp 81-88 in *Biological Papers of the University of Alaska*. Special Report No.4.
- Roby, D.D. 1978. Behavior Patterns of Barren-ground Caribou of the Central Arctic Herd Adjacent to the Trans-Alaska Oil Pipeline. M.S. thesis. Fairbanks, AK: University of Alaska.
- Rodgers, J.A., and H.T. Smith. 1994. Set-back Distances to Protect Nesting Bird Colonies from Human Disturbance in Florida. *Conservation Biology* 9(1):89-99.
- Rodrigues, R. 1992. Bird Use of Abandoned Gravel Pads in Arctic Alaska: 1991 and 1992. Report prepared for BP Exploration (Alaska), Inc., Anchorage, AK, by LGL Alaska Research Associates, Inc., Anchorage, AK.
- Rodrigues, R. 2002. Nest Density, Nest Survival, and Habitat Use of Tundra-nesting Birds, Point Thomson, Alaska, 2002. Report prepared for BP Exploration (Alaska) Inc., Anchorage, AK, by LGL Alaska Research Associates, Inc., Anchorage, AK. 32 pp. + appendices.
- Rodrigues, R., R. O. Skoog, and R.H. Pollard. 1994. Inventory of Arctic Fox Dens in the Prudhoe Bay Oil Field, Alaska. Final report for BP Exploration (Alaska) Inc., Anchorage by LGL Alaska Research Associates, Inc., Anchorage.
- Rojek, N.A., and P. D. Martin. 2003. Breeding biology of Steller's eiders nesting near Barrow, Alaska, 2003. Unpublished report Fairbanks Fish and Wildlife Office USFWS Fairbanks, AK.
- Romanovsky, V.E. and T.E. Osterkamp (1995) Interannual variations of the thermal regime of the active layer and near surface permafrost in Northern Alaska. *Permafrost and Periglacial Processes*, 6 (3): 313-335. Ross, S.L. 1998. Evaluation of Cleanup Capabilities for Large Blowout Spills in the Alaskan Beaufort Sea During Periods of Broken Ice. Appendix A. Background on Petroleum Activities in the Alaskan North Slope. Prepared for Alaska Clean Seas and MMS. [Online] Available <http://www.slross.com/publications/pubmain.htm>.
- Rothe T.C., C.J. Markon, L.L. Hawkins, and P.S. Koehl. 1983. Waterbird Populations and Habitat Analysis of the Colville River Delta, Alaska: 1981 Summary Report. Anchorage, AK: USDOI, FWS, Office of Special Studies, 131 pp.
- Rothwell, S. (CPAI). 2004a. Personal communication with Peter Hendricks (Entrix, Inc.) 18 March 2004.

- Rothwell, S. (CPAI). 2004b. Personal communication with J. Ducker (BLM). 6 May 2004.
- Rovansek, R.J., L.D. Hinzman, and D.L. Kane. 1996. Hydrology of a Tundra Wetland Complex on the Alaskan Arctic Coastal Plain. *Arctic and Alpine Research* 28(3):311-317.
- Rowe, L., J. Dollahite, and B. Camp. 1973. Toxicity of Two Crude Oils and of Kerosene to Cattle. *Journal of American Veterinary Medicine Association* 16:60-66.
- RTSC (Raytheon Technical Services Company), Polar Services. 2000. USAP Tracked Vehicles Prospectus. [Online] Available <http://www.polar.org/science/prospectus/Transport/tracked.htm>. February 4, 2003.
- Rugh, D.J., K.E.W. Shelden, D.E. Withrow. 1995. Spotted Seals Sightings in Alaska 1992-93. Annual report to the MMPA Assessment Program, Office of Protected Resources, NMFS, NOAA, 1335 East-West Highway, Silver Spring, MD.
- Ruskin, L. 2004. Governor to offer leases off ANWR. *Anchorage Daily News*, April 1, 2004, p. A1.
- Russell, D.E., A.M. Martell, and W.A.C. Nixon. 1993. Range Ecology of the Porcupine Caribou Herd in Canada. *Rangifer* Special Issue No. 8.
- Sage, B.L. 1974. Ecological Distribution of Birds in the Atigun and Sagavanirktok River Valleys, Arctic Alaska. *Canadian Field-Naturalist* 88:281-291.
- Schell, D.M. n.d.. Regeneration of Nitrogenous Nutrients in Arctic Alaskan Estuarine Waters.
- Schell, D.M. 1975. Seasonal Variation in the Nutrient Chemistry and Conservative Constituents in Coastal Alaskan Beaufort Sea Waters. *Environmental Studies of an Arctic Estuarine System, Final Report*, pp. 233-296.
- Schell, D.M., and S.M. Saupe. 1993. Feeding and Growth as Indicated by Stable Isotopes, pp. 491-509. In: *The Bowhead Whale*, J.J. Burns, J.J. Montague, and C.J. Cowles, eds. Lawrence, KS: The Society for Marine Mammalogy.
- Schell, D., P. Kinney, and M. Billington. 1971. Physical and Chemical Studies. Baseline Data Study of the Alaskan Arctic Aquatic Environments: 8 Month Progress Report. R71-4. January, 1971. pp. 11-47.
- Schell, D.M., S.M. Saupe, and N. Haubenstock. 1987. Bowhead Whale Feeding: Allocation of Regional Habitat Importance Based on Stable Isotope Abundances, pp. 369-415. In: *Importance of the Eastern Alaskan Beaufort Sea to Feeding Bowhead Whales, 1985-86*, W. J. Richardson, ed. Report by LGL Ecological Research Associates, Inc. to U.S. Minerals Management Service. NTIS No. PB 88 150271/AS.
- Shifflett, J.M. 2003. CPAI response of 06 August 2003 to ENTRIX, Inc. e-mail request of 31 July 2003 for information regarding oil spills.
- Schmidt, D.R., W.B. Griffiths, and L.R. Martin. 1989. Overwintering Biology of Anadromous Fish in the Sagavanirktok River Delta, Alaska. *Biological Papers of the University of Alaska* 24:55-74.
- Schmidt, D., W.B. Griffiths, D.K. Beaubien, and C.J. Herlugson. 1991. Movement of Young-of-the-Year Arctic Ciscoes across the Beaufort Sea Coast, 1985-1988. *American Fisheries Society Symposium* 11:132-144.
- Schmitz, S. (Alaska Dept. of Natural Resources). 2004. Personal communication with R. Honig, Entrix, Inc. regarding potential mitigation measures to minimize runoff, road erosion, and tundra silting, especially during the spring melt.
- Schneider, W., and D. Libbey. 1979. Historic Context of Life on the North Slope, pp. 37-46. In: *Native Livelihood and Dependence: A Study of Land Use Values Through Time*. North Slope Borough Contract Staff. U.S. Department of the Interior, National Petroleum Reserve in Alaska. Anchorage, Alaska.

- Schneider, W., S. Pedersen, and D. Libbey. 1980. Barrow-Atkasuk: Land Use Values Through Time in the Barrow-Atkasuk Area. Occasional Paper No. 24. North Slope Borough and Anthropology and Historic Preservation, Cooperative Park Studies Unit, University of Alaska. Fairbanks, Alaska.
- Schoen, J.W., and S.E. Senner (eds.). 2002. Alaska's Western Arctic: A Summary and Synthesis of Resources (draft). Audubon Alaska, Anchorage, AK.
- Schoenberg, K.M. 1995. The Post-Paleoarctic Interval in the Central Brooks Range. *Arctic Anthropology* 32(1):51-61. Cited in Reanier, 2002.
- Schultz, G. 2003. Personal Communication, telephone conversation, March 10.
- Schweinsburg, R.E. 1974. Snow Geese Disturbance by Aircraft on the North Slope, September, 1972. In: *Arctic Gas Biological Report Series No. 14*.
- Scott, W.B., and E.J. Crossman. 1973. *Freshwater Fishes of Canada*. Fish. Res. Board Can. Bull. 198. 966 pp.
- Seaman, G.A., G.F. Tande, D.L. Clausen, and L.L. Trasky. 1981. Mid-Beaufort Coastal Habitat Evaluation Study: Colville River to Kuparuk River. Unpublished report by the ADF&G to the North Slope Borough, Barrow, Alaska. 199 pp.
- SECOR International, Inc. 2003. Nuiqsut Ambient Air Quality Monitoring Program Quarterly Data Report. October through December 2002 for ConocoPhillips Alaska, Inc. Nuiqsut Ambient Air Quality Monitoring Station, Nuiqsut, Alaska, March 2003.
- Sedinger, J.S., and A.A. Stickney. 2000. Black Brant. In: *The Natural History of an Arctic Oil Field: Development and the Biota*, J.C. Truett and S.R. Johnson, eds. San Diego, CA: Academic Press.
- Selkregg, L.L. et al. 1975. Alaska regional profiles. Arctic region. University of Alaska, Arctic Environmental Information and Data Center, Anchorage, AK.
- Sellman, P.V., J. Brown, R.L. Lewellen, H. McKim, and C. Merry, 1975. The Classification and Geomorphic Implications of Thaw Lakes on the Arctic Coastal Plain, Alaska. USACE Cold Regions Research and Engineering Laboratory Research Report 344, 21 pp.
- Senner, R.G. 1989. Effects of Petroleum Operations on Alaskan Wetlands. Prepared for ARCO Alaska, Inc., and BP Exploration (Alaska) Inc., Anchorage, Alaska.
- Shannon & Wilson, Inc. 1996. Flood-Frequency Analysis for the Colville River, North Slope, Alaska; Shannon & Wilson Consultants, Anchorage, Alaska, and Michael Baker, Inc., Anchorage, Alaska.
- Shannon & Wilson, Inc. 1997. Colville River Two-Dimensional Surface Water Flow Model. Prepared for Michael Baker Jr., Inc. July.
- Shaughnessy, P.D., and F.H. Fay. 1977. A Review of the Taxonomy and Nomenclature of North Pacific Harbour Seals. *Journal of Zoology (London)* 182:385-419.
- Shelden, K.W., D.P. DeMaster, D.J. Rugh, A.M. Olson. 2001. Developing Classification Criteria under the U.S. Endangered Species Act: Bowhead Whales as a Case Study. *Conservation Biology* 15(5):1300-1307.
- Shideler, R.T. 1986. Impacts of Human Developments and Land Use on Caribou: A Literature Review. Volume II. Impacts of Oil and Gas Development on the Central Arctic Herd. Technical Report No. 86-3. Juneau, AK: ADF&G, Habitat Division.
- Shideler, R. T. 2000. Pipelines and Caribou Crossings – Agency Perspective. In: *Established Oil and Gas Practices and Technologies on Alaska's North Slope*, Alaska Conference Proceedings. U.S. Department of Energy National Energy Technology Laboratory and National Petroleum Technology Office and the State of Alaska, pp. 47-50.

- Shideler, R. 2003. Pers. comm. Communication from R. Shideler, ADF&G, to LGL Alaska Research Associates on unpublished data on bear observations on the north slope, especially bear-human interactions in the Prudhoe Bay area.
- Shideler, R. 2004. Pers. comm. To E. Cunningham, ENTRIX, Inc. Comments and suggested changes on draft EIS. March 2004.
- Shideler, R. and J. Hechtel. 2000. Grizzly Bear. In: The Natural History of an Arctic Oil Field: Development and the Biota, J.C. Truett and S.R. Johnson, eds. San Diego, CA: Academic Press, pp. 105-132.
- Silva, J.B., ed. 1985. Teshekpuk Lake Special Area Study Habitat Evaluation. Fairbanks, AK: Bureau of Land Management. 182 pp.
- Simmons, C.L., K.R. Everett, D.A. Walker, A.E. Linkins, and P.J. Webber. 1983. Sensitivity of Plant Communities and Soil Flora to Seawater Spills, Prudhoe Bay, Alaska. CRREL Report 83-24.
- Skoog, R.O. 1968. Ecology of the Caribou (*Rangifer tarandus granti*) in Alaska. Ph.D. Dissertation, Berkeley, CA: University of California.
- Slaybaugh, D.K., B.J. Gallaway, and J.S. Baker. 1989. The Database for Arctic Anadromous Fish: Description and Overview. Biological Papers of the University of Alaska 24:4-24.
- Sloan, C.E. 1987. Water Resources of the North Slope, Alaska. In: Alaska North Slope Geology, I. Tailleux and P. Weimer, eds. The Pacific Section, Society of Economic Paleontologist and Mineralogists, and The Alaska Geological Society.
- Small, R.J., and D.P. DeMaster. 1995. Alaska Marine Mammal Stock Assessments 1995. Technical Memorandum NMFS-AFSC-57. National Oceanic and Atmospheric Administration.
- Smith, K.G., E.J. Ficht, D. Hobson, T.C. Sorensen, and D. Hervieux. 2000. Winter Distribution of Woodland Caribou in Relation to Clear-cut Logging in West-central Alberta. Canadian Journal of Zoology 78:1433-1440.
- Smith, L. (U.S. Fish and Wildlife Service) 2003. Personal communication with ENTRIX, Inc. November 2003
- Smith, L.N., L.C. Byrne, C.B. Johnson, and A.A. Stickney. 1993. Wildlife Studies on the Colville River Delta, Alaska, 1992. Report for ARCO Alaska, Inc., by Alaska Biological Research Inc., Fairbanks, Alaska.
- Smith, L. N., L. C. Byrne, C.B. Johnson, and A.A. Stickney. 1994. Wildlife Studies on the Colville River Delta, Alaska, 1993. Report for ARCO Alaska, Inc., by Alaska Biological Research Inc., Fairbanks, Alaska.
- Smith, M.D. 1996. Distribution, Abundance, and Quality of Forage within the Summer Range of the Central Arctic Caribou Herd. M.S. thesis. Fairbanks, AK: University of Alaska.
- Smith, M.W., and R.S. Glesne. 1982. Aquatic Studies on the North Slope of the Arctic National Wildlife Refuge, 1981 and 1982. Fairbanks, AK: Fishery Resources, U.S. Fish and Wildlife Service. Fishery Resources Progress Report Number FY83-1. 71 pp.
- Smith, T.G., and M.O. Hammill. 1981. Ecology of the Ringed Seal, *Phoca hispida*, in its Fast Ice Breeding Habitat. Canadian Journal of Zoology 59(6):966-981.
- Smith, T.G., and C. Lydersen. 1991. Availability of Suitable Land-Fast Ice and Predation as Factors Limiting Ringed Seal Populations, *Phoca hispida*, in Svalbard. Polar Research 19: 585-594.
- Smith, T.G., and I. Stirling. 1975. The Breeding Habitat of the Ringed Seal (*Phoca hispida*). The Birth Lair and Associated Structures. Canadian Journal of Zoology 53(9):1297-1305.

- Smith, W.T., and R.D. Cameron. 1985a. Factors Affecting Pipeline Crossing success of Caribou. In: Proceedings of the 1st North American Caribou Workshop, Whitehorse, Yukon Territory, A.M. Martell and D.E. Russell, eds. Caribou and Human Activity, pp. 40-46.
- Smith, W.T., and R.D. Cameron. 1985b. Reactions of Large Groups of Caribou to a Pipeline Corridor on the Arctic Coastal Plain of Alaska. *Arctic* 38:53-57.
- Smith, W.T., R.D. Cameron, and D.J. Reed. 1994. Distribution and Movements of Caribou in Relation to Roads and Pipelines, Kuparuk Development Area, 1978-90. Alaska Department of Fish and Game, Wildlife Technical Bulletin Number 12.
- Snyder-Conn, E., J.R. Garbarino, G.L. Hoffman, and A. Oelkers. 1997. Soluble Trace Metals and Total Mercury in Arctic Snow. *Arctic* 50(3):201-215.
- Solovieva, D. 1997a. Timing and Habitat Use and Breeding Biology of Steller's Eider in the Lena Delta, Russia. In: Proceedings from Steller's Eider Workshop. Wetlands International Seaduck Specialist Group Bulletin No. 7. pp. 35-39.
- Solovieva, D. 1997b. Steller's Eider: National Report from Russia. In: Proceedings from Steller's Eider Workshop. Wetlands International Seaduck Specialist Group Bulletin No. 7. pp. 7-12.
- Spearman, G. 1979. Anaktuvuk Pass: Land Use Values over Time. North Slope Borough, Barrow, AK, and the Anthropology and Historic Preservation Cooperative Park Studies Unit, University of Alaska, Fairbanks.
- Spearman, G., A.J. Etalook, and L.M. Rley. 1982. Preliminary Report to the North Slope Borough's Inupiat History, Language, and Culture Commission of the Ulumiut Territorial Land Use Inventory: Narrative and Key. Unpublished manuscript.
- Spencer, D.L., and C.J. Lensink. 1970. The Muskox of Nunivak Island. *Journal of Wildlife Management* 34:1-15.
- Spencer, R.F. 1976. *The North Alaskan Eskimo: A Study in Ecology and Society*. New York: Dover Publications.
- SRB&A (Stephen R. Braund & Associates). 2003. Field Interviews: Nuiqsut, Barrow, Atqasuk, Anaktuvuk Pass. June, July, and August 2003.
- SRB&A and ISER (Institute of Social and Economic Research). 1993. North Slope Subsistence Study – Barrow, 1987, 1988, 1989. Prepared for MMS and North Slope Borough (also published as MMS Technical Report No. 149).
- Stanford, D.J. 1976. The Walakpa Site, Alaska: Its Place in the Birnirk and Thule Cultures. *Smithsonian Contributions to Anthropology* No. 20. Washington, D.C.: Smithsonian Institution Press. Cited in Reanier, 2002.
- Starr, S.J., M.N. Kuwada, and L.L. Trasky. 1981. Recommendations for Minimizing the Impacts of Hydrocarbon Development on the Fish, Wildlife, and Aquatic Plant Resources of the Northern Bering Sea and Norton Sound. Anchorage, AK: ADF&G Habitat Division, 525 pp.
- State of Alaska, Office of the Governor. 1975. *Alaska Regional Profiles – Arctic Region*.
- Stehn, R.A., C.P. Dau, B. Conant, and W.I. Butler, Jr. 1993. Decline of Spectacled Eiders Nesting in Western Alaska. *Arctic* 46(3):264-277.
- Stehn, R. and R. Platte. 2000. Exposure of Birds to Assumed Oil Spills at the Liberty Project. Final report. Anchorage, AK: USDOI, FWS.
- Stenhouse, G.B., L.J. Lee, and K.G. Poole. 1988. Some Characteristics of Polar Bears Killed During Conflicts with Humans in the Northwest Territories, 1976-86. *Arctic* 41:275-278.
- Stieglitz, Marc, S.J. Devy, V.E. Romanovsky, and T.E. Osterkamp. 2003. The role of snow cover in warming of arctic permafrost. *Geophysical Research Letters*, Vol. 30, No. 13. July. Stickney, A.A., B.A. Anderson, R.J. Ritchie, and

- J.G. King. 2002. Spatial Distribution, Habitat Characteristics, and Nest-site Selection by Tundra Swans on the Central Arctic Coastal Plain, Northern Alaska. *Waterbirds* 25:227-235.
- Stirling, I. 1988. Attraction of Polar Bear *Ursus maritimus* to Offshore Drilling Sites in the Eastern Beaufort Sea. *Polar Record* 24:1-8.
- Stirling, I., and N.J. Lunn. 2001. Effects of Climate Warming on Polar Bears. Vancouver, BC, Canada, November 28-December 3, 2002. Society for Marine Mammalogy, pp. 206-207.
- Stirling, I., and N. A. Øritsland. 1995. Relationships between Estimates of Ringed Seal (*Phoca hispida*) and Polar Bear (*Ursus maritimus*) Populations in the Canadian Arctic. *Canadian Journal of Fisheries and Aquatic Sciences* 52:2594-2612.
- Stockton, 1890, Cited in Libbey, 1983.
- Stout, Jerry, Lynden Air Cargo. 2003. Personal Communication with Matt Morrow, MACTEC. July 7.
- St. Pierre, B. (CPAI). 2004. Personal communication with J. Ducker (BLM) 30 March 2004.
- Strang, C.A. 1980. Incidence of Avian Predators Near People Searching for Waterfowl Nests. *Journal of Wildlife Management* 44:220-222.
- Sturm, M., G.E. Liston, C.S. Benson, and J. Holmgren. 2001. Characteristics and Growth of a Snowdrift in Arctic Alaska, USA. *Arctic, Antarctic, and Alpine Research* 22:319-329.
- Suydam, R.S., D.L. Dickson, J.B. Fadely, and L.T. Quakenbush. 2000a. Population declines of King and Common Eiders of the Beaufort Sea. *Condor* 102:219-222.
- Suydam, R.S., L.T. Quakenbush, D.L. Dickson, and T. Obritschkewitsch. 2000b. Migration of King, *Somateria spectabilis* and Common, *S. mollissima v-nigra*, eiders past Point Barrow, Alaska, during spring and summer/fall 1996. *Canadian Field-Naturalist* 114:444-452.
- Suydam, R.S., L.F. Lowry, K.J. Frost, G.M. O'Corry-Crowe, and D. Pikok Jr. 2001. Satellite Tracking of Eastern Chukchi Sea Belugas into the Arctic Ocean. *Arctic* 54(3): 237-243.
- Suydam, R., L. Quakenbush, M. Johnson, J.C. George, and J. Young. 1997. Migration of King and Common Eiders Past Point Barrow, Alaska, in Spring 1987, Spring 1994, and Fall 1994, D.L. Dickson, ed. Occasional Paper No. 94. Ottawa, Ont., Canada: Canadian Wildlife Service, pp. 1-29.
- Suydam, R.S. (NSB). 2004. Personal communication with J. Ducker (BLM).
- Swem, T. (USFWS). 2003. Personal communication on USFWS Section 7 concerns and cliff-nesting raptors, 10 March 2003.
- Talbot, S.S. 1996. Vegetation Mapping in Arctic Alaska, an Annotated Bibliography. In: Circumpolar Arctic Vegetation Mapping Workshop: Abstracts and Short Papers, C.J. Markon and D.A. Walker, eds. Reston, VA: U.S. Geological Survey.
- TAPS Owners (Trans-Alaska Pipeline System Owners). 2001a. Environmental Report for Trans-Alaska Pipeline System Right-of-Way Renewal. 15 December 2001. [Online] Available <http://tapseis.anl.gov/documents/report.cfm>.
- TAPS Owners. 2001b. Fish, pp. 3.2-11-3.2-19. In: Environmental Report for Trans-Alaska Pipeline System Right-of-Way Renewal, Volume 1, Chapter 3, Section 3.2.3.
- Telang, S.A., et al. Biogeochemistry of Major World Rivers - Carbon and Mineral Transport in Major North American, Russian Arctic, and Siberian Rivers: the St. Lawrence, the Mackenzie, the Yukon, the Arctic Alaskan Rivers, the Arctic Basin Rivers in the Soviet Union, and the Yenisei. [Online] Available <http://www.icsu-scope.org/downloadpubs/scope42/chapter04.html>. June 2003.

- TERA (Troy Ecological Research Associates). 1993a. Bird Use of the Prudhoe Bay Oil Field. Report prepared for BP Exploration (Alaska), Anchorage, AK, by Troy Environmental Research Associates, Anchorage, AK.
- TERA. 1993b. Population Dynamics of Birds in the Pt. McIntyre Reference Area 1981-1992. Report prepared for BP Exploration (Alaska), Anchorage, AK, by Troy Environmental Research Associates, Anchorage, AK.
- TERA. 1996. Distribution and Abundance of Spectacled Eiders in the Vicinity of Prudhoe Bay, Alaska: 1994 Status Report. Report prepared for BP Exploration (Alaska), Anchorage, AK, by Troy Ecological Research Associates, Anchorage, AK.
- TERA. 1999. Spectacled Eiders in the Beaufort Sea: Distribution and Timing of Use. Report for BP Exploration (Alaska) Inc., Anchorage, Alaska. 10 pp.
- Thurber, J.M., R.O. Peterson, T.D. Drummer, and S.A. Thomasma. 1994. Gray Wolf Response to Refuge Boundaries and Roads in Alaska. *Wildlife Society Bulletin* 22:61-68.
- TMA (Tom Mortensen Associates). 2000. Technical Reclamation Review Committee Annual Report of Mining Between 9/01/99 and 8/31/00, For the Completion of Phase 1 Mining at the Consolidated Use Gravel Material Mine Site, Colville River Delta. December.
- TNM (True North Management, LLC). 2002. WNS Pipeline Study prepared for Phillips Alaska, Inc. July 10, 2002.
- Travis, R. 1999. Unemployment Isn't Prime Factor in Native Suicide. *Anchorage Daily News*, March 1, 1989.
- Treacy, S.D. 1988. Aerial Surveys of Endangered Whales in the Beaufort Sea, Fall 1987. OCS Study MMS 88-0030. U.S. Minerals Manage. Serv., Anchorage, AK. 142 pp. NTIS PB89-168785.
- Treacy, S.D. 1989. Aerial Surveys of Endangered Whales in the Beaufort Sea, Fall 1988. OCS Study MMS 89-0033. U.S. Minerals Manage. Serv., Anchorage, AK. 102 pp. NTIS PB90-161464.
- Treacy, S.D. 1990. Aerial Surveys of Endangered Whales in the Beaufort Sea, Fall 1989. OCS Study MMS 90-0047. U.S. Minerals Manage. Serv., Anchorage, AK. 105 pp. NTIS PB91-235218.
- Treacy, S.D. 1991. Aerial Surveys of Endangered Whales in the Beaufort Sea, Fall 1990. OCS Study MMS 91-0055. U.S. Minerals Manage. Serv., Anchorage, AK. 108 pp. NTIS PB92-176106.
- Treacy, S.D. 1992. Aerial Surveys of Endangered Whales in the Beaufort Sea, Fall 1991. OCS Study MMS 92-0017. U.S. Minerals Manage. Serv., Anchorage, AK. 93 pp.
- Treacy, S.D. 1993. Aerial Surveys of Endangered Whales in the Beaufort Sea, Fall 1992. OCS Study MMS 93-0023. U.S. Minerals Manage. Serv., Anchorage, AK. 136 pp.
- Treacy, S.D. 1994. Aerial Surveys of Endangered Whales in the Beaufort Sea, Fall 1993. OCS Study MMS 94-0032. U.S. Minerals Manage. Serv., Anchorage, AK. 133 pp.
- Treacy, S.D. 1995. Aerial Surveys of Endangered Whales in the Beaufort Sea, Fall 1994. OCS Study MMS 95-0033. U.S. Minerals Manage. Serv., Anchorage, AK. 116 pp.
- Treacy, S.D. 1996. Aerial Surveys of Endangered Whales in the Beaufort Sea, Fall 1995. OCS Study MMS 96-0006. U.S. Minerals Manage. Serv., Anchorage, AK. 121 pp. NTIS PB97-115752.
- Treacy, S.D. 1997. Aerial Surveys of Endangered Whales in the Beaufort Sea, Fall 1996. OCS Study MMS 97-0016. U.S. Minerals Manage. Serv., Anchorage, AK. 115 pp. NTIS PB97-194690.
- Treacy, S.D. 2000. Aerial Surveys of Endangered Whales in the Beaufort Sea, Fall 1998-1999. OCS Study MMS 2000-066. U.S. Minerals Manage. Serv., Anchorage, AK. 135 pp.

- Treacy, S.D. 2002a. Aerial Surveys of Endangered Whales in the Beaufort Sea, Fall 2000. OCS Study MMS 2002-014. U.S. Minerals Manage. Serv., Anchorage, AK. 111 pp.
- Treacy, S.D. 2002b. Aerial Surveys of Endangered Whales in the Beaufort Sea, Fall 2001. OCS Study MMS 2002-061. U.S. Minerals Manage. Serv., Anchorage, AK. 117 pp.
- Treshow, M., and F.K. Anderson. 1989. Plant Stress from Air Pollution. Chichester [England] and New York.
- Troy, D.M. 1988. Bird Use of the Prudhoe Bay Oil Field During the 1986 Nesting Season. Report by LGL Alaska Research Associates, Inc., Prepared for Alaska Oil and Gas Association, Anchorage, Alaska, 96 pp.
- Troy, D.M. 2000. Shorebirds. In: The Natural History of an Arctic Oil Field: Development and the Biota, J.C. Truett and S.R. Johnson, eds. San Diego, CA: Academic Press.
- Troy, D. 2003. Molt Migration of Spectacled Eiders in the Beaufort Sea Region. Report prepared for BP Exploration (Alaska) Inc. by Troy Ecological Research Associates, Anchorage, Alaska, 17 pp.
- Troy, D.M., and T.A. Carpenter. 1990. The Fate of Birds Displaced by the Prudhoe Bay Oil Field: The Distribution of Birds Nesting Before and After P-Pad Construction. Report prepared for BP Exploration (Alaska) Inc. by Troy Ecological Research Associates, Anchorage, AK.
- Truett, J.C. and K. Kertell. 1992. Tundra Disturbance and Ecosystem Production: Implications for Impact Assessment. *Environmental Management*. 16(4):485-494.
- Truett, J.C., and S.R. Johnson, eds. 2000. The Natural History of an Arctic Oil Field: Development and the Biota. San Diego, California: Academic Press.
- Tukle Sr., F. 2001. Transcript of Public Testimony, Draft Environmental Impact Statement for Liberty Development and Production Plan, Barrow, Alaska, March 21, 2001. U.S. Department of the Interior, MMS, Alaska OCS Region. Anchorage, Alaska.
- Tukle et. al. 2004. Personal communication. Frederick Tukle Sr., Isaac Nukapigak, and James Taalak with Jim Ducker, February 2004
- Truett, J.C., R.G.B. Senner, K. Kertell, R. Rodrigues, and R.H. Pollard. 1994. Wildlife responses to small-scale disturbances in arctic tundra. *Wildlife Society Bulletin* 22:314-317.
- Tynan, C.T., and D.P. DeMaster. 1997. Observations and Predictions of the Arctic Climate Change: Potential Effects on Marine Mammals. *Arctic* 504:308-322.
- Underwood, T.J., J.A. Gorden, M.J. Millard, L.A. Thorpe, and B.M. Osborne. 1995. Characteristics of Selected Fish Populations of Arctic National Wildlife Refuge Coastal Waters, Final Report, 1988-1991. U.S. Fish and Wildlife Service, Fairbanks Fishery Resource Office, Fairbanks, Alaska. Alaska Fishery Technical Report No. 28. 590 pp.
- Unsworth, M.H. 1982. Exposure to gaseous pollutants and uptake by plants. In: Effects of Gaseous Air Pollution in Agriculture and Horticulture, M.H. Unsworth and D.P. Ormrod, eds. London: Butterworth Scientific, pp. 43-63.
- URS Corporation. 2001a. 2001 Lake Monitoring Study, National Petroleum Reserve-Alaska. Prepared for Phillips Alaska, Inc. October 22, 2001.
- URS Corporation. 2001b. 2001 Hydrologic Assessment, Fish Creek, Judy Creek and the Ublutuoch River, North Slope, Alaska. Prepared by URS for Phillips Alaska, Inc., December 2001.
- URS Corporation. 2003. 2002 Hydrologic and Hydraulic Assessment, Fish Creek, Judy Creek and the Ublutuoch River, North Slope, Alaska; prepared by URS for Phillips Alaska, Inc., January 2003.
- USACE (U.S. Army Corps of Engineers). 1980. Final Environmental Impact Statement: Prudhoe Bay Oil Field Waterflood Project. U.S. Army Corps of Engineers, Alaska District, Anchorage, Alaska. 1980.

- USACE. 1996. Transcript of Proceedings, Public Scoping Meeting, Northstar EIS Project, Northstar Beaufort Sea Oil and Gas Development, Kaktovik, AK, Anchorage, AK: U.S. Army Corps of Engineers.
- USACE. 1998. Alpine Development Project Permit Evaluation and Decision Document, Application Number: 2-960874, Waterway Number: Colville River 18. February 13, 1998.
- USACE, Alaska District. 1999a. Final Environmental Impact Statement, Beaufort Sea Oil and Gas Development/Northstar Project.
- USACE. 1999b. The Highway Methodology Workbook Supplement, Wetlands Functions and Values: A Descriptive Approach. New England District, NAEPP-360-1-30a.
- USACE. 2002. Engineering and Design – Ice Engineering. Manual EM 1110-2-1612. Washington D.C. October 30, 2002.
- USACE. 2004. Public Notice of Application for Permit (POA-2004-253-2). Issued April 9, 2004
- U.S. Army Engineer District, Alaska. 1996. Permit No. 4-960869, Colville River 17.
- U.S. Bureau of the Census. 2003. Census 2000, Profile of Selected Economic Characteristics, Table DP-1: 2000. [Online] Available [www.labor.state.ak.us/research](http://www.labor.state.ak.us/research), January.
- U.S. Code, 42 USC 7401. The Federal Clean Air Act of 1970, as amended in 1977 and 1990 (Public Law 101-549).
- U.S. Code of Federal Regulations. 2002. Title 40, Part 50, National Primary and Secondary Standards. Washington, D.C.: U.S. Government Printing Office, 2002.
- U.S. Code of Federal Regulations. 2002. Title 40, Part 52.21, Prevention of Significant Deterioration of Air Quality. Washington, D.C.: U.S. Government Printing Office, 2002.
- U.S. Code of Federal Regulations. 2002. Title 40, Part 60, Subpart GG, Standards of Performance for Stationary Gas Turbines. Washington, D.C.: U.S. Government Printing Office, 2002.
- U.S. Code of Federal Regulations. 2002. Title 40, Part 63, National Emission Standards for Hazardous Air Pollutants. Washington, D.C.: U.S. Government Printing Office, 2002.
- U.S. Code of Federal Regulations. 2002. Title 40, Part 81, Subpart C, Section 107 Attainment Status Designations. Washington, D.C.: U.S. Government Printing Office, 2002.
- U.S. Code of Federal Regulations. 2002. Title 40, Part 81, Subpart D, Identification of Mandatory Class I Federal Areas Where Visibility is an Important Value. Washington, D.C.: U.S. Government Printing Office, 2002.
- U.S. Code of Federal Regulations. 2002. Title 49, Transportation, Chapter I, Research and Special Programs Administration, Department of Transportation, Part 195, Transportation of Hazardous Liquids by Pipeline. October.
- USDA (U.S. Department of Agriculture). 1996. Annual Data Summary, Alaska Cooperative Snow Survey, Water Year 1995. USDA Forest Service, National Resources Conservation Service, 21 pp.
- USDA Forest Service. n.d. Wasatch-Cache National Forest. Chapter 4. Proposed Plan-Forest Wide Allocations. [Online] Available [http://www.fs.fed.us/wcnf/pp/ch4/4B\\_Forestwide%20Allocations/chap\\_4b2\\_ros\\_final040801.pdf](http://www.fs.fed.us/wcnf/pp/ch4/4B_Forestwide%20Allocations/chap_4b2_ros_final040801.pdf). Accessed May 14, 2003.
- USDA Forest Service. 2000. Uncompahgre National Forest Travel Plan Revision Draft Environmental Impact Statement. April 6, 2000. [Online] Available [http://www.fs.fed.us/r2/gmug/policy/unc\\_travel/ch3\\_ros.pdf](http://www.fs.fed.us/r2/gmug/policy/unc_travel/ch3_ros.pdf). Accessed May 15, 2003.
- USDA Natural Resources Conservation Service. 1999. Soil Taxonomy, A Basic System of Soil Classification for Making and Interpreting Soil Surveys. Second Edition. Agriculture Handbook Number 436.

- U.S. Department of Commerce, National Oceanic and Atmospheric Administration, OCSEAP. 1978. Interim Synthesis Report: Beaufort/Chukchi. Boulder, Colorado: USDOC, NOAA, OCSEAP.
- U.S. Department of Commerce, National Oceanic and Atmospheric Administration and USDOI, Minerals Management Service. 1984. Proceedings of a Synthesis Meeting: The Barrow Arch Environment and Possible Consequences of Planned Offshore Oil and Gas Development (Sale 85), Girdwood, Alaska, October 30-November 1, 1983. Juneau, Alaska: NOAA and MMS.
- U.S. Department of Commerce, National Oceanic and Atmospheric Administration, OCSEAP. 1987. Proceedings of a Synthesis Meeting: The Diapir Field Environment and Possible Consequences of Planned Offshore Oil and Gas Development. Anchorage, Alaska: NOAA.
- U.S. Department of Commerce, National Oceanic and Atmospheric Administration, OCSEAP. 1988. Beaufort Sea (Sale 97) Information Update. Anchorage, Alaska: NOAA.
- USEPA (U.S. Environmental Protection Agency). 1972. Noise Control Act of 1972. Public Law 92-574.
- USEPA, 1985. Compilation of Air Pollutant Emission Factors, Volume II, Mobile Sources, Table II-1-9 Emission Factors Per Aircraft Per Landing/Takeoff Cycle – Civil Aircraft.
- USEPA. 1997. Office of Air Quality Planning and Standards. National Ambient Air Quality Standards. Research Triangle Park, NC, revised July 1997. [Online] Available [www.epa.gov/airs/criteria/html](http://www.epa.gov/airs/criteria/html)
- USEPA, Office of Environmental Justice. 1998. National Guidance for Conducting Environmental Justice Analyses (Peer Review Version), October 1.
- USEPA. 2004. Storm Water Management for Road Construction and Maintenance. [Online] Available <http://www.epa.nsw.gov.au/stormwater/whatdo/local+councils/roads.htm>. 22 March 2004.
- USFWS (U.S. Fish and Wildlife Service). 1980. Gravel Removal Studies in Arctic and Subarctic Floodplains in Alaska. June.
- USFWS. 1995. Stock Assessments of Polar Bears (*Ursus maritimus*): Alaska Chukchi/Bering Seas Stock Beaufort Sea Stock. Anchorage, AK: USFWS, 20 pp.
- USFWS. 1999a. Population Status and Trends of Sea Ducks in Alaska. USFWS Migratory Bird Management, Waterfowl Management Branch, Anchorage, AK:
- USFWS. 2002. Birds of Conservation Concern 2002. Division of Migratory Bird Management, Arlington, Virginia. 99 pp. [Online] Available <http://migratorybirds.fws.gov/reports/bcc2002.pfd>.
- USFWS. 2003. Alaska's Threatened and Endangered Species. Unpublished report, Anchorage Fish and Wildlife Field Office, Anchorage, AK, February.
- USFWS. n.d.. National Wetlands Inventory maps of Harrison Bay (Harrison Bay A-2, A-3, A-4, A-5, B-1, B-2, B-3, B-4, B-5). [Online] Available <http://nwi.fws.gov/downloads.htm>, September 10, 2003.
- USFWS. n.d.. Digest of Federal Resource Laws of Interest to the U.S. Fish and Wildlife Service. [Online] Available <http://laws.fws.gov/lawsdigest/wildriv.html>
- USGS (U.S. Geological Survey). 2001. The National Petroleum Reserve-Alaska (NPRA) Data Archive. USGS Fact Sheet FS-024-01. March 2001.
- USGS. 2002. Arctic Refuge Coastal Plain Terrestrial Wildlife Research Summaries. Biological Science Report, USGS/BRD/BSR-2001-0001. [Online] Available <http://www.absc.usgs.gov/1002/index.htm>

- USGS. 2003. Water Quality Samples for Alaska: USGS 15880000 Colville R nr Nuiqsut AK and USGS 15875000 Colville R at Umiat AK. [Online] Available [http://waterdata.usgs.gov/ak/nwis/qwdata/?site\\_no=15880000](http://waterdata.usgs.gov/ak/nwis/qwdata/?site_no=15880000) and [http://waterdata.usgs.gov/ak/nwis/qwdata/?site\\_no=15875000](http://waterdata.usgs.gov/ak/nwis/qwdata/?site_no=15875000). June 2003.
- USGS. Geology and Exploration of the National Petroleum Reserve in Alaska, 1947 to 1982. G. Gyrc ed., U.S. Geological Survey Professional Paper 1399. U.S. Geological Survey, 940 pp.
- USGS, Biological Resources Division. 2003. Polar Bear Maternal Den Distribution in Northern Alaska. Unpublished report. [Online] Available <http://www.absc.usgs.gov/>.
- USGS. 1967. Techniques of Water Resources Investigations. Book 3.
- U.S. Water Resources Council. 1981. Guidelines for Determining Flood Flow Frequency. Hydrology Committee, Bulletin 17B, Washington D.C.
- Usher, P.J., M. Baikie, M. Demmer, D. Nakashima, M.G. Stevenson, and M. Stiles. 1995. Communicating About Contaminants in Country Food: The Experience in Aboriginal Communities Research Department, Inuit Tapirisat of Canada. Ottawa, Ontario.
- van den Berg, D. June 19, 2003. Personal communication with Dennis Kearney, ENTRIX, Inc., on wildlife and fishing guide activities in and near the ASDP Area. Email exchange.
- Vorderstrasse, Jim. 1998. Public Hearings for the Northeast NPR-A Integrated Activity Plan/Environmental Impact Statement, Barrow, Alaska, January 13, 1998. U.S. Department of the Interior, Bureau of Land Management. Anchorage, Alaska.
- Wahrhaftig, C. 1965. Physiographic Divisions of Alaska. Geological Survey Professional Paper 482. Washington, D.C.: U.S. Government Printing Office, 52 pp.
- Walker, D.A. 1983. A hierarchical tundra vegetation classification especially designed for mapping in northern Alaska. Pages 1332-1337 in Permafrost: Fourth International Conference, Proceedings, 17-22 July 1983, University of Alaska, Fairbanks. Washington, D.C.: National Academy Press.
- Walker, D.A. 1996. Disturbance and Recovery of Arctic Alaskan Vegetation. Chapter 3. In: Landscape Function and Disturbance in Arctic Tundra, J.F. Reynolds and J.D. Tenhunen, eds. Ecological Studies 120.
- Walker, D.A., and K.R. Everett. 1987. Road Dust and Its Environmental Impact on Alaskan Taiga and Tundra. Arctic and Alpine Research 19(4):479-489.
- Walker, D.A., and M.D. Walker. 1991. History and Pattern of Disturbance in Alaskan Arctic Terrestrial Ecosystems: A Hierarchical Approach to Analyzing Landscape Change. Journal of Applied Ecology 28:244-276.
- Walker, D.A., P.J. Webber, K.R. Everett, and J. Brown. 1977. The Effects of Low-Pressure Wheeled Vehicles on Plant Communities and Soil at Prudhoe Bay, Alaska. CRREL Report 80-14.
- Walker, D.A., P.J. Webber, K.R. Everett, and J. Brown. 1978. Effect of Crude and Diesel Oil Spills on Plant Communities at Prudhoe Bay, Alaska, and the Derivation of Oil Spill Sensitivity Maps. Arctic 31:242-259.
- Walker, D.A., N.D. Lederer, and M.D. Walker. 1985. Vegetation Changes at Permanent Transects along the Dalton Highway and the Prudhoe Bay Spine Road. Attachment. In: Baseline Monitoring Methods and Sensitivity Analysis of Alaskan Arctic Tundra, P.J. Webber, D.A. Walker, V. Komarkova, and J.J. Ebersole, eds. Final report to U.S. Army Cold Regions Research and Engineering Laboratory, Hanover, New Hampshire.
- Walker, D.A., P.J. Webber, E.F. Binnian, K.R. Everett, N.D. Lederer, E.A. Nordstrand, and M.D. Walker. 1987a. Cumulative Impacts of Oil Fields on Northern Alaska Landscapes. Science 238:757-761.

- Walker, D.A., D.D. Cate, J. Brown, and C. Racine. 1987b. Disturbance and Recovery of Arctic Alaska Tundra Terrain: A Review of Recent Investigations. CRREL Report No. 87- 11. Hanover, NH: USACE, Cold Regions Research and Engineering Laboratory.
- Walker, H.J. 1972. Permafrost and Ice-wedge Effect on Riverbank Erosion. In: International Conference on Permafrost, 1963, pp. 165-171.
- Walker, H.J. 1976. Depositional Environments in the Colville River Delta. In: Proceedings of the Alaska Geological Society Symposium, T.P. Miller, ed. Recent and Ancient Sedimentary Environments in Alaska, Alaska Geological Society. Anchorage, Alaska, pp. C1-C22.
- Walker, H.J. 1978. Lake Tapping in the Colville River Delta. In: Proceedings of the Third International Conference on Permafrost. Edmonton, Alberta. National Research Council of Canada, Ottawa. 1:233-138.
- Walker, H. J. 1982. Environmental Factors of the Colville Delta and the Development of the Nuiqsut Airport. Louisiana State University. May 1982.
- Walker, H.J. 1983. Guidebook to Permafrost and Related Features of the Colville River Delta, Alaska. Fourth International Conference on Permafrost, July 18-22, 1983. University of Alaska. Fairbanks, Alaska. 34 pp.
- Walker, H. J. 1983. The Colville River Delta, Alaska: Guidebook to Permafrost and Related Features. Fourth International Conference on Permafrost. July 18-22, 1983. Fairbanks, AK. Published by the Division of Geological and Geophysical Surveys, Department of Natural Resources, State of Alaska.
- Walker, H.J., 1994. Nechelic Channel Investigations, 1994. Prepared for the North Slope Borough. December 1994.
- Walker, H.J., and J.J. McCloy. 1969. Morphologic Changes in Two Arctic Deltas. Arctic Institute of North America, Research Paper No. 49. 91 pp.
- Walsh J.E., W.L. Chapman, and T.L. Shy, 1996: Recent decrease of sea level pressure in the central Arctic. *Journal of Climate*, 9, 480-486.
- Walters, V. 1955. Fishes of Western Arctic America and Eastern Arctic Siberia: Taxonomy and Zoogeography. *Bulletin of the American Museum of Natural History* 106:259-368.
- Ward, D.H., and R.A. Stehn. 1989. Response of Brant and Other Geese to Aircraft Disturbance at Izembek Lagoon, Alaska. Final report prepared for Minerals Management Service, Anchorage, AK, by U.S. Fish and Wildlife Service, Anchorage, Alaska.
- Warnock, N.D. and D.M. Troy. 1992. Distribution and Abundance of Spectacled Eiders at Prudhoe Bay, Alaska: 1991. Northern Alaska Research Studies. Anchorage, AK: BPXA, 21 pp.
- Wartes, M. 2003. Personal communication, March 30.
- Washburn, A.L. 1973. Periglacial Processes and Environments. New York: St. Martin's Press. 320 pp.
- Webber, P.J., D.A. Walker, V. Komarkova and J.J. Ebersole. 1985. Baseline Monitoring Methods and Sensitivity Analysis of Alaskan Arctic Tundra. Cold Regions Research and Engineering Laboratory (CRREL). January.
- Weeks, W.F., P.W. Barnes, D.M. Rearic, and E. Reimnitz. 1984. Some Probabilistic Aspects of Ice Gouging on the Alaskan Shelf of the Beaufort Sea, P. W. Barnes, D.M. Schell, and E. Reimnitz, eds. Academic Press, Inc.
- Weingartner, T.J., and S.R. Okkonen. 2001. Beaufort Sea Nearshore Under-Ice Currents: Science, Analysis and Logistics. In: University of Alaska Coastal Marine Institute Final Report. OCS Study, MMS 2001-068. Anchorage, AK: MMS, Alaska OCS Region, 17 pp.

- Weller, M.W., and D.V. Derkson, 1979 The Geomorphology of Teshekpuk Lake in Relation to Coastline Configuration of Alaska's Coastal Plain. *Arctic* 32:152-160.
- Weller, M.W., K.C. Jensen, E.J. Taylor, E.W. Miller, K.S. Bollinger, D.V. Derksen, D. Esler, and C. Markon. 1994. Assessment of Shoreline Vegetation in Relation to Use by Molting Black Brant (*Branta bernicla nigricans*) on the Alaska Coastal Plain. *Biological Conservation* 70:219-225.
- Western Regional Climate Center. 2003. Las Vegas, NV: Desert Research Institute. <http://www.wrcc.dri.edu/>
- Western Regional Climate Center. n.d. Climatological Normals for Barrow WSO Airport and Kuparuk, Alaska. <http://www.wrcc.dri.edu>
- Western Regional Climate Center. n.d. Source of wind speed data: Alaska Climate Research Center, <http://climate.gi.alaska.edu>.
- White, G. W., B. R. Thomson, T. Skogland, S. J. Person, D. E. Russell, D. F. Holleman, and J.R. Luick. 1975. Ecology of Caribou at Prudhoe Bay, Alaska, pp. 151–187. In: *Ecological Investigations of the Tundra Biome in the Prudhoe Bay Region, Alaska*, J. Brown, ed. University of Alaska Biological Papers, Special Report Number 2, Fairbanks, Alaska.
- White, Kathleen D. and Jon E. Zufelt. 1994. Special Report 94-7, Ice Jam Data Collection. U.S. Army Corps of Engineers, Cold Regions Research & Engineering Laboratory. Hanover, New Hampshire. March 1994.
- Whittaker, D., and R.L. Knight. 1998. Understanding Wildlife Responses to Humans. *Wildlife Society Bulletin* 26:312–317.
- Whitten, K.R. 1997. Mammals of the Northeastern NPR-A. In: *NPR-A Symposium Proceedings. Science, Traditional Knowledge, and the Resources of the Northeast Planning Area of the National Petroleum Reserve-Alaska*, April 16-18, Anchorage, Alaska.
- Whitten, K.R., and R.D. Cameron. 1980. Nutrient Dynamics of Caribou Forage on Alaska's Arctic Slope, pp. 159-166. In: *Proceedings of the Second International Reindeer/Caribou Symposium*, Røros, Norway, 17–21 September 1979, E. Reimers, E. Gaare, and S. Skjenneberg, eds.
- Whitten, K.R., and R.D. Cameron. 1983. Movements of Collared Caribou, *Rangifer tarandus*, in Relation to Petroleum Development on the Arctic Slope of Alaska. *Canadian Field-Naturalist* 97(2):143-146.
- Wiggin, M., and C. Dotson. 2002. NPRA Facility and Operations Study No. 9 – Infrastructure. May 2002.
- Wiig, O., A. E. Deroucher, and B.E. Stanislav. 1999. Ringed Seal (*Phoca hispida*) Breeding in the Drifting Ice Pack of the Barents Sea. *Marine Mammal Science* 15:595-598.
- Williams, J.R., 1970 Groundwater in the Permafrost Regions of Alaska. USGS Professional Paper 696, 83 pages.
- Williams, J.R., and R.O. van Everingdon. 1973. Groundwater Investigation in Permafrost Regions of North America: A Review. In: *Permafrost, the North American Contribution to the Second International Conference of the National Academy of Sciences*, Washington D.C. pp. 435-466.
- Windisch-Cole, B. 1996. Conversation dated Aug. 1, 1996, between Birgitta Windisch-Cole, State of Alaska, Dept. of Labor, and Tim Holder, USDOJ, MMS, Alaska OCS Region; subject: labor data and distribution between place of work and place of residence for a worker.
- Winkler, W. J. 1975. Fox Rabies. Pages 3-22 in: G. M. Baer (editor) *The Natural History of Rabies*. Academic Press, New York.
- Winters, J.F., and R.T. Shideler. 1990. An Annotated Bibliography of Selected References of Muskoxen Relevant to the National Petroleum Reserve-Alaska. Fairbanks, AK: State of Alaska, Dept. of Fish and Game, 82 pp.

- Wiswar, D.W., R.L. West, and W.N. Winkleman. 1995. Fisheries Investigation in Oruktalik Lagoon, Arctic National Wildlife Refuge, Alaska, 1986. U.S. Fish and Wildlife Service, Fishery Research Office, Alaska Fisheries Technical Report Number 30. 38 pp.
- Wixon, D. 2003. Personal communication with John Baas on outfitter guides who might use the ASDP Area, February 27.
- Wohlschlag, D.E. 1954. Growth Peculiarities of the Cisco, *Coregonus sardinella* (Valenciennes), in the vicinity of Point Barrow, Alaska. Stanford Ichthyological Bulletin 4:189-209.
- Wolfe, R.J., and R.J. Walker. 1987. Subsistence Economies in Alaska: Productivity, Geography, and Development Impacts. Arctic Anthropology 24(2):56-81.
- Wolfe, R. J. 1996. Subsistence Food Harvests in Rural Alaska, and Food Safety Issues: A Paper Presented to the Institute of Medicine, National Academy of Sciences Committee on Environmental Justice, Spokane, Washington, August 13, 1996. ADF&G Division of Subsistence. Juneau, Alaska.
- Wolfe, S. A. 2000. Habitat Selection by Calving Caribou of the Central Arctic Herd, 1980–1995. M. S. thesis. Fairbanks, Alaska: University of Alaska.
- Wolfe, S. A., B. Griffith, and C. A. G. Wolfe. 2000. Response of Reindeer and Caribou to Human Activities. Polar Research 19:63-73.
- Woodby, D.A., and D. B. Botkin. 1993. Stock Sizes Prior to Commercial Whaling. In: The Bowhead Whale, J.J. Burns, J.J. Montague, and C.J. Cowles, eds. Lawrence, KS: Allen Press, Inc. pp. 387-407.
- Woodby, D.A. and G.J. Divoky. 1982. Spring Migration of Eiders and Other Waterbirds at Point Barrow, Alaska. Arctic 35:403-410.
- Woodward-Clyde Consultants. 1983. Lisburne Development Area: 1983 Environmental Etudies – Final Report. Woodward-Clyde Consultants Inc., for ARCO Alaska Inc., Anchorage.
- Woodward, D.F., E. Snyder-Conn, R.G. Riley, and T.R. Garland. 1988. Drilling Fluids and the Arctic Tundra of Alaska: Assessing Contamination of Wetlands Habitat and the Toxicity to Aquatic Invertebrates and Fish. Archives of Environmental Contamination and Toxicology 17:683-697.
- Worl, R. 1978. Beaufort Sea Region Sociocultural Systems. Technical Report No. 9. Anchorage, MMS, Alaska OCS Region, Social and Economic Studies Program.
- Worl, R. and C. Smythe. 1986. A Decade of Modernization. OCS Study, MMS 86-0088. Technical Report 125. Anchorage, AK: USDOJ, MMS, Alaska OCS Region, Social and Economic Studies.
- Würsig, B., E.M. Dorsey, M.A. Fraker, R.S. Payne, and W.J. Richardson. 1985. Behavior of Bowhead Whales, *Balaena mysticetus*, Summering in the Beaufort Sea: A Description. Fishery Bulletin 83:357-377.
- Würsig, B., J. Guerrero, and G.K. Silber. 1993. Social and Sexual Behavior of Bowhead Whales in Fall in the Western Arctic: A Re-Examination of Seasonal Trends. Marine Mammal Science 9(1):103-110.
- Yershov, R.D., E.M. Chuvilin, O.G. Smirnova, and N.S. Naletova. 1997. Interaction of Oil with Frozen Soils. In: Ground Freezing 97: Frost Action in Soils, S. Knutsson, ed. Rotterdam, The Netherlands: A.A. Balkema, pp. 381-384.
- Young, D. D., and T. R. McCabe. 1997. Grizzly Bear Predation Rates on Caribou Calves in Northeastern Alaska. Journal of Wildlife Management 61:1056-1066.
- Yokel, D., R. Brumbaugh, D. Huebner, and J. Ver Hoef. Undated[a]. Impacts of Seismic Trails, Camp-move Trails and Ice Roads on Tundra Vegetation in the Northeast National Petroleum Reserve – Alaska (Abstract). In: Draft Proceedings of a Workshop on Impacts of Winter Exploration Activities on Tundra Soils and Vegetation of Alaska’s North Slope, D. Yokel, ed. U.S. Bureau of Land Management, Fairbanks, AK.

- Yokel, D., D. Huebner, and J. VerHoef. n.d.. Unpublished abstract: Overlapping Versus Offsetting Ice Road Routes from Year to Year (Abstract). In: Draft Proceedings of a Workshop on Impacts of Winter Exploration Activities on Tundra Soils and Vegetation of Alaska's North Slope, D. Yokel, ed. U.S. Bureau of Land Management, Fairbanks, Alaska.
- Yunker, M.B., and R.W. MacDonald. 1995. Composition and Origins of Polycyclic Aromatic Hydrocarbons in the Mackenzie River and on the Beaufort Sea Shelf. *Arctic* 48:118-129.
- Zeh, J. E., J. C. George, and R. Suydam. 1994. Rate of Increase, 1978-1993 of Bowhead Whales, *Balaena mysticetus*. Report of the International Whaling Commission 45:339-344.
- Zeh, J. E., A. E. Raferty, and A.A. Schaffner. 1995. Revised Estimates of the Bowhead Whale Population Size and Rate of Increase. Report of the International Whaling Commission 46:670-696.

